

**WATH-UPON-DEARNE
URBAN DISTRICT COUNCIL**



**THE HEALTH OF
WATH-upon-DEARNE
1965**

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WATH-UPON-DEARNE URBAN DISTRICT COUNCIL

Members as at 31st December, 1965

Chairman of the Council:
Councillor J. W. Espley, J.P.

Vice-Chairman of the Council:
Councillor E. Cooper

Chairman of the Public Health Committee:
Councillor Mrs. E. Hardwick

Councillors:

E. Brown	C. A. Kelly
W. Cutts (C.A.)	M. Little
P. Hardy (L.C.P.)	C. Naylor
Mrs. C. M. Hill	H. Norton
G. H. Hill	D. Turner
R. J. Hughes	Mrs. E. Walton

Medical Officer of Health:
D. J. Cusiter, M.B., Ch.B., D.P.H., D.T.M.&H.

Chief Public Health Inspector:
W. W. Wilkinson, F.A.P.H.I., Cert.S.I.B.

PREFACE

Public Health Department,
Town Hall,
Wath-upon-Dearne

To the Chairman and Members of
Wath-upon-Dearne Urban District Council.

Mr. Chairman, Ladies and Gentlemen:

I include in this annual report of the health of your district details of the County Council health and school health services.

The population showed a natural increase of 137 and an overall increase of 40 according to the Registrar General's estimate of the resident population for mid-1965.

There were no maternal deaths in the district. Six infant deaths were recorded from a total of 306 live births, one of which was premature. Four died from respiratory disease and two from inhalation of vomit. Two of the total deaths were of infants under the age of one month. The remaining four were under six months of age. Three of the 6 were born in hospital and 5 died in hospital.

A maternal mortality rate of 0.25 per thousand total live and still births throughout the country and the very slow decline of the neonatal (deaths under one month of age) fraction of the infant mortality rate is a clear indication of the hazards of pregnancy to the foetus, rather than to the mother. No valid or useful inferences can be drawn from these 6 infant deaths.

The infant mortality rate (deaths under one year of age per thousand live births) was 19.6 (West Riding 20.7, England and Wales 19.0); mean division 26, 18.4.

The corrected birth rate was 18.6 (West Riding 18.4) based on an increasing population and was comparable with the previous year.

The corrected death rate was 13.3 (West Riding 12.4).

The total deaths were 169 of which 79 were due to diseases of the heart and blood vessels, 27 to cancer in various sites, 20 to respiratory disease and 18 to vascular lesions of the nervous system. These correspond to rates of 5.15 (West Riding 4.48); 1.76 (West Riding 2.07); 1.30 (West Riding 1.30); 1.17 (West Riding 1.82), although it would not be

statistically proper to make any definite deductions from these totals or rates, it may be significant that deaths from respiratory diseases follow closely on deaths from cancer in the division as a whole. In the country the commonest causes of death in descending order are heart and circulatory diseases, cancer, vascular diseases of the nervous system and respiratory diseases. It is emphasised that in this division respiratory diseases are responsible for an unduly high proportion of the total deaths. The role of atmospheric pollution in deaths from respiratory diseases such as cancer of the lung and bronchitis need not, I hope, be restated.

There were 2 deaths from tuberculosis and 1 from infectious disease.

There were 11 illegitimate births compared with 10 in the previous year with no deaths.

Less trouble has been experienced in 1965 than in previous years from caravan dwellers; certain of the sites previously available to them have been either developed or enclosed.

The enforcement of the Number 2 Smoke Control Order was continued during the year and it was not until the end of the year that control became reasonably effective.

The number of dwelling houses in the district at the end of 1965 was 5,281; the proposed future slum clearance programme consists of 324 houses over the period of the next six years.

270 lbs. of food stuffs were condemned during the year and two complaints were received concerning the contamination of food; neither were of a serious nature and no legal proceedings were taken.

Attention is drawn in the report to the problem presented by the removal of such waste products as garden rubbish, rubble, bricks, stone, etc. It would appear that the public experienced some difficulty in arranging for private haulage; the refuse collection service is not equipped to deal with this problem in addition to its normal house refuse collections. These materials were, however, removed on a payment basis.

There is a need for further thought on health education. Local health authorities for many years have moved along the well worn lines of films, posters, talks etc. It is difficult to see at first glance that any major benefits have accrued from such measures. No mass campaign for the prevention

of smoking has to my knowledge ever succeeded. The evils of atmospheric pollution are not yet fully accepted, over-eating and lack of exercise is still practiced by those susceptible to ischaemic heart disease, and even a simple measure such as fluoridation produces a small but noisy opposition.

Numerous committees and associations have for many years given lip service to health education programmes and have recommended the development of 'blanket' campaigns and the investment of support of commercial and voluntary bodies. What is really required is an investigation, to discover whether any health education campaign, however extensive and expensive could have any lasting effect in preventing a healthy human being from enjoying himself.

A most important development in public health has been the attachment of health visitors to family doctors, and I have commented each year in my annual report on the development of such schemes. Full attachment has now been achieved and comments from the health visitors themselves are fully quoted in the section of health visiting within this report.

I was particularly impressed by the generally favourable attitude of health visitors to such attachment and by the most useful comments on the more difficult aspects. The most common fear expressed was that less would be known about a particular school than before, since their responsibility might be in a different area. Some also found problems in getting to know new families and in passing on their old families to new health visitors. In particular cases, some health visitors were involved in considerably more travelling and found they were doing less visits. These problems, however, are clearly initial ones only; the difficulty that health visitors may tend to know a particular school less well, is one, however, that may only be fully solved by the separate appointment of school nurses.

Your attention is directed to the school health service report on the mass emergency poliomyelitis vaccination which was carried out towards the end of 1965. This was in response to the outbreak which occurred in Blackburn earlier in the summer of 1965, and it is pleasing to report that over 90% of school children in this area are now immune to poliomyelitis. This should be sufficient to remove any real possibility of an epidemic spread in this area even should an isolated case occur.

One case of active tuberculosis arose in a school during the year; the case was discovered during routine skin testing by the school medical officer and following investigation at

the chest clinic the boy was admitted to hospital. All the school contacts were investigated and no further cases either in the staff or pupils arose. It should be emphasised that the diagnosis was made as a result of a routine skin test prior to B.C.G. vaccination, and that no other cases were found in the school. It may be inferred that before the introduction of this procedure more than one case of active tuberculosis would have arisen in this particular school.

Over the divisional area as a whole the infant mortality rate approximates to the national average. Certain areas show a more favourable mortality rate and it is clear that the greater major proportion of these deaths are occurring under the age of one month, and that the overwhelming number are due to prematurity. The problem is, therefore, rather one of the hazards of childbirth than of any deficiencies in the community as a whole, and it should be stressed that many of the hazards to which mothers at this time are exposed are still ill understood.

The National Birthday Trust Fund report has stressed the categories of high risk mothers i.e. previous abortions, premature births, stillbirths and antenatal deaths, past histories of toxæmias and antepartum hæmorrhage, and past caesarean sections. The report concluded that perinatal mortality—the major problem in some of our districts—would be greatly reduced if the following measures were adopted:—

- (a) Primigravidae and multiparee with a first stage of twenty-four hours or more, should be admitted to hospital.
- (b) Immediate delivery should be effected in primigravidae and multiparee with second stages lasting one to two hours.
- (c) Those whose membranes have been ruptured for twenty-four hours to be delivered in hospital.
- (d) Greater care of the infant during the intranatal and immediate postnatal periods; early diagnosis of foetal distress should be made and measures should be promptly resuscitative. In this regard post mortems on 93% of perinatal deaths in March 1958 showed that 30% were due to intrapartum anoxia.
- (e) Hospital confinements for the following categories:—
 - (i) Primigravidae.
 - (ii) Multiparee fifth child and over.
 - (iii) **Any** abnormality in pregnancy including rhesus negative mothers with antibodies.

During the first three months of 1965 seven cases of rheumatic fever in children occurred in this area. These cases are notable in that for many years this disease has become less common; it is important, in view of the effect on the heart, to remember that cases may still occur. Each year throughout the country at least one thousand children have an initial attack and unless the disease is recognised at the start and preventive measures taken, recurrence may be expected in from one half to a quarter within five years. The chronic effects of rheumatic heart disease produce over seven thousand deaths each year. The most important preventive measure is early treatment with penicillin and local health authority can supervise the maintenance of this treatment following an initial attack. In this respect the health visitors have an important role to play.

During the year nine possible contacts of an isolated case of typhoid fever were notified to us; all were fully investigated and none of the laboratory tests proved to be positive. The case was illustrative of some of the difficulties in dealing with contacts of this particular condition. The patient had been in contact, because of her work, with over one hundred persons in a neighbouring county borough and all these contacts were screened. It was also necessary to exclude the possibility of a carrier responsible for the original infection, none was traced. I would emphasise in view of the publicity given to cases of typhoid fever that isolated cases are not uncommon and are not necessarily causes for public concern. The Aberdeen outbreak in 1964 was distinct in that the source was unusual and many people became infected before its nature was traced.

I would comment on the publicity given to pneumoconiosis in the South Yorkshire coalfield and the misleading nature of the newspaper article, which indicated that this coalfield had the highest incidence of pneumoconiosis in Great Britain. The statistics were based on x-ray appearances of fresh cases of the disease per thousand workers in the coalfield diagnosed in the years 1960-63. This was at a time when the National Coal Board was engaged in a mass x-ray survey to detect undiagnosed cases in the area and many of the miners were unaware that they were affected. Fresh cases in the Yorkshire coalfield per thousand employed were:—

1960—5.3; 1961—5.2; 1962—4.5; 1963—6.4.

In the South-West division (Wales) 1963—4.0.

However, for many years the miners in the Wales division have had a yearly examination for this condition and the incidence of 4 per 1,000 would be accepted as an accurate

figure. In September 1964 there were a total of 3,420 cases in Yorkshire—a prevalence rate of 32 per 1,000 compared with 5,289 or a rate of 74 per 1,000 in Wales. The national rate for mineworkers was 34 per 1,000.

It is important to emphasise that bronchitis is responsible for the loss of 29,000,000 working days each year in Great Britain. It is also the third most common cause of death in men over the age of thirty, and thus hits no one harder than the miner whose bronchitis rate is twice the national average. Bronchitis is responsible for 5.7% of all deaths and indeed causes more fatalities than pneumonia, tuberculosis, digestive and renal diseases together. It is inferior as a cause of death only to diseases of the heart, to cerebro vascular accidents and to cancer, and its major environmental causes are cigarette smoking and atmospheric pollution. It is to be regretted that Mexborough, Dearne and Conisborough urban districts have taken no measures to implement the clean air act.

A recent article in the British Journal of Preventive and Social Medicine indicates clearly the influence of atmospheric pollution on school absence due to such conditions as coughs, bronchitis and broncho-pneumonia. The authors found consistently that the amount of such infections were related to the amount of air pollution and that the frequency and severity of these infections increased with its amount. They found no differences in this respect between boys and girls and no differences between the social classes. The association between lower respiratory tract infections and air pollution was found to be constant for all ages. These important findings provide a further argument in favour of the removal of air pollution, should any further evidence be needed.

The fluoridation of water supplies continued to be a matter of controversy during 1965. The refutation of all scientific arguments against this sensible health measure produced from its opponents statements based mainly upon ethical grounds. It was further notable that the opponents did not hesitate to issue statements which they knew to be inaccurate and it is to be regretted that certain newspapers used such arguments for their news value. I would affirm that the fluoride in water supplies differs in no respect from the other additives already present, and that no evidence exists that its effects will be any other than beneficial.

The domestic help service began as long ago as 1918 for maternity cases and was extended during the 1939-45 war to include the old and the chronic sick. It was directed almost

entirely towards the care of the mother and child. Today 92% of the service is devoted to the care of the aged and since 1949 the amount of help given to mothers has decreased by 92%. Constant price expenditure on the care of the latter has actually fallen, in spite of an increase of 17% in the number of births per year. The total cost of the domestic help service has increased by 305% since 1949 and is surpassed only by the increase in the cost of mental health (423%). This is due to the very great increase in the total number of part-time home helps employed. The number of whole time home helps has fallen because of the number of married women employed. Such an increase is more remarkable because of the purely permissive character of this function and demonstrates the directions in which local health services are being obliged to develop; a recent survey, for example, has suggested that the needs of old people are still not being fully met. In our natural sympathy for the aged, however, we should not allow ourselves to forget the importance of the mothers and young children to the future, and the domestic help service should not be allowed to become the exclusive preserve of the over sixties. There is a danger also that if the present tendencies in the care of the aged are not carefully controlled, the family as a social unit may be endangered and it must soon become apparent that a comprehensive welfare service which acts as though old people were without family help has dangers inherent in itself.

Since the inception of the health service expenditure on mental health services has increased by 423%, by far the largest increase of any local health authority service, it is safe to assume that this service is still developing and that expenditure can be expected to increase in the coming years. Training Centres with Care Units will have to be more numerous and larger in number and residential hostels both for mentally subnormals and mentally ill patients will need to be built. Staffing ratios will inevitably increase and all these changes would occur passively with the expected rise in population in this country, since there is no reason to expect that the proportion of the mentally ill and mentally subnormal will decline. In the absence of any external measures tending naturally to check population, such as wars and epidemics, the proportion can be expected to remain fairly constant.

The effect of the non-European immigrant to this country on this proportion can not yet be assessed but it has been suggested by some that if integration is pressed over enthusiastically and without due thought, the result of the disruption of close-knit communities might increase the incidence of mental illness in these groups

I wish to record my thanks to Mr. W. W. Wilkinson, the public health inspector, for his work and co-operation during the year. In this short preface I can not mention all those members of the medical and administrative staff whose efforts I have so greatly appreciated.

My thanks are particularly due to the staff of the divisional health office who have made the preparation of this report possible.

I remain,

Your obedient servant,

D. J. CUSITER,

Medical Officer of Health

Divisional Public Health Office,
Dunford House,
Wath-upon-Dearne,
Rotherham.

(Tel. No. Wath-upon-Dearne 2251/2)

SECTION "A"

NATURAL AND SOCIAL CONDITIONS OF THE AREA

(a) General Statistics

Area (in acres)	...	...	...	...	...	2,665
Registrar-General's estimate of Resident Population Mid-1965	...	...	...	...	...	15,330
Number of inhabited houses at 31st December 1965						5,281
Population density (persons per house)	...	...				2.9
House density (houses per acre)	...	...	...			1.9
Rateable value	...	...	...	...	...	£602,968
Net product of 1d. rate	...	...	...	...	...	£2,265

(b) Physical and Social Conditions

The Registrar General's estimate of resident population for mid 1965 revealed an overall increase of 40. The natural increase i.e. excess of births over deaths for the whole year was 137.

The number of dwelling houses increased by 81; 25 houses were demolished; 91 new houses were completed, 70 by the local authority and 21 by private enterprise.

The main employment in the area is provided by coal mining (61% men), electric domestic equipment, coal by-products, glass containers, stoves and grates and soft drink manufacturers. Over 400 women travel daily by organised transport to employment in the West Riding textile industry, food canning (Sheffield), engineering (York), confectionery (Rotherham). There is a need for a greater diversity of light industry suitable for females and male disabled persons.

VITAL STATISTICS 1965

Live Births—				Males	Females	Total
Total	...	...	...	160	146	306
Legitimate	...	...	...	156	139	295
Illegitimate	...	...	...	4	7	11
Live Birth Rate (uncorrected)						
per 1,000 population	...	...	...	...	...	20.0
Live Birth Rate (corrected)						
per 1,000 population	...	...	...	...	...	18.6
Illegitimate live births percentage of total live births						
	...	...	...	...	...	3.7

Still-births—

	Males	Females	Total
Total	2	3	5
Rate per 1,000 live and still births	...	...	16.1

	Males	Females	Total
Total Live and Still-births ...	162	149	311

Deaths of Infants under 1 year of age—

	Males	Females	Total
Total	6	—	6
Legitimate	6	—	6
Illegitimate	—	—	—
Infant Mortality Rate per 1,000 live births		...	19.6
Legitimate Infants per 1,000 legitimate live births			20.0
Illegitimate Infants per 1,000 illegitimate live births			0.0
Neo-natal mortality rate (deaths under 4 weeks per 1,000 total live births)			6.5
Early neo-natal mortality rate (deaths under 1 week per 1,000 total live births)			3.3
Perinatal mortality rate (still-births and deaths under 1 week combined per 1,000 total live and still-births			19.3

Maternal mortality, including abortion—

Number of deaths ... ..	...	...	Nil
Rate per 1,000 total live and still-births ...	...	...	—

Total Deaths ... ..	...	...	169
Death Rate (uncorrected) ... ..	...	...	11.0
Death Rate (corrected) ... ..	...	...	13.3
Natural increase of population ... ..	...	...	137

Causes of Death at different periods of life during 1965 in the Urban District of Wath-upon-Dearne
General Register Office, Somerset House, Strand, W.C.2

CAUSE OF DEATH	Sex	Total all Ages.	Under 4 Weeks.	4 Weeks and under 1 year	AGE IN YEARS								
					1—	5—	15—	25—	35—	45—	55—	65—	75 and over
1. Tuberculosis, Respiratory.	M	2	—	—	—	—	—	1	—	—	—	—	1
	F	—	—	—	—	—	—	—	—	—	—	—	—
10. Malignant Neoplasm, Stomach.	M	3	—	—	—	—	—	—	2	—	—	2	—
	F	1	—	—	—	—	—	—	—	—	—	—	1
11. Malignant Neoplasm, Lung, Bronchus.	M	6	—	—	—	—	—	1	—	—	—	—	4
	F	5	—	—	—	—	—	—	1	—	—	3	—
14. Other Malignant and Lymphatic Neoplasms.	M	5	—	—	—	—	—	—	—	1	—	2	2
	F	6	—	—	—	—	—	—	—	1	—	3	2
15. Leukaemia, Aleukaemia.	M	1	—	—	—	—	—	—	—	—	—	1	—
	F	—	—	—	—	—	—	—	—	—	—	—	—
16. Diabetes.	M	—	—	—	—	—	—	—	—	—	—	—	—
	F	—	—	—	—	—	—	—	—	—	—	—	—
17. Vascular Lesions of Nervous System.	M	2	—	—	—	—	—	—	—	—	—	2	—
	F	5	—	—	—	—	—	—	—	—	—	2	3
18. Coronary Disease, Angina.	M	13	—	—	—	—	—	—	—	—	—	4	9
	F	25	—	—	—	—	—	2	3	9	7	4	4
19. Hypertension with heart disease.	M	12	—	—	—	—	—	—	1	2	5	—	—
	F	—	—	—	—	—	—	—	—	—	—	—	—
20. Other heart disease.	M	1	—	—	—	—	—	—	1	—	—	—	—
	F	14	—	—	—	—	—	—	—	1	—	4	9
21. Other Circulatory disease.	M	15	—	—	—	—	—	—	1	1	1	1	12
	F	9	—	—	—	—	—	—	—	—	—	1	8
	F	3	—	—	—	—	—	—	—	—	—	—	2

Causes of Death at different periods of life during 1965 in the Urban District of Wath-upon-Dearne
General Register Office, Somerset House, Strand, W.C.2

CAUSE OF DEATH	Sex	Total all Ages.	Under 4 Weeks.	4 Weeks and under 1 year	AGE IN YEARS								
					1—	5—	15—	25—	35—	45—	55—	65—	75 and over
23. Pneumonia.	M	3	—	1	—	1	—	—	—	—	—	1	—
	F	4	—	—	—	—	—	—	—	—	—	1	3
24. Bronchitis.	M	9	—	—	—	—	—	2	—	—	—	7	—
	F	1	—	—	—	—	—	—	—	—	—	—	1
25. Other diseases of respiratory system.	M	3	1	1	—	—	—	—	—	—	—	—	1
	F	—	—	—	—	—	—	—	—	—	—	—	—
27. Gastritis, Enteritis and Diarrhoea	M	1	—	1	—	—	—	—	—	—	—	—	—
	F	—	—	—	—	—	—	—	—	—	—	—	—
32. Other defined and ill-defined diseases.	M	5	1	1	—	1	—	—	—	—	—	1	—
	F	2	—	—	—	—	—	—	—	—	—	—	2
33. Motor vehicle accidents	M	1	—	—	—	1	—	—	—	—	—	—	—
	F	—	—	—	—	—	—	—	—	—	—	—	—
34. All other accidents	M	2	—	—	—	—	—	—	—	1	—	—	1
	F	5	—	—	—	—	1	—	—	—	—	—	4
35. Suicide.	M	2	—	—	—	—	—	—	—	—	1	—	1
	F	2	—	—	—	—	—	—	—	—	—	1	—
36. Homicide and operations of war.	M	1	—	—	—	—	—	—	—	—	—	1	—
	F	—	—	—	—	—	—	—	—	—	—	—	—
Total all causes.	M	97	2	4	4	3	—	—	4	5	15	29	34
	F	72	—	—	—	—	1	—	—	5	6	20	40

Deaths of Infants under 1 year of age

No.	Date of death	Cause of death	Age	Birth weight	Died at
1.	30.12.64	1a Oedema of glottis and inhalation of vomit. b Left renal vein thrombosis with renal infarction. c Dehydration.	3 weeks	6 5	Dead on arrival at Montagu Hospital, Mexborough.
2.	27.3.65	1a Bronchopneumonia.	4 months	6 8	Montagu Hospital, Mexborough.
3.	11.6.65	1a Acute viral respiratory tract infection.	2 months	6 0	Home.
4.	2.6.65	1a Pulmonary atelectasis b Prematurity.	1 day	3 5	St. Helen Hospital, Barnsley.
5.	6.11.65	Inhalation of vomitus. Intestinal obstruction. P.M. Intussusception.	3 months	5 11	Montagu Hospital, Mexborough.
6.	30.10.65	1a Bronchopneumonia. b Gastro-enteritis.	5 months	7 8	Kendray Hospital, Barnsley.

Wath-upon-Dearne 1965

	Wath-upon-Dearne Urban District	Div. 26	Aggregate West Riding Urban Districts	West Riding Administra- tive County	England and Wales
Population	15,330	110,400	1,229,010	1,731,100	*
Live Births (Crude)	20.0	18.7	18.0	18.2	18.0
Live Births (Corrected)	18.6	18.5	18.3	18.4	*
Death Rate—All causes Crude	11.0	10.6	12.3	11.6	11.5
Death Rate—All causes Corrected	13.3	13.6	12.7	12.4	*
Infective and Parasitic Diseases—excluding Tuberculosis, but including Syphilis and other V.D.	—	0.03	0.03	0.04	*
Tuberculosis:—					
Respiratory	0.13	0.04	0.03	0.04	0.04
Other Forms	—	—	—	—	0.01
All Forms	0.13	0.04	0.04	0.04	0.05
Cancer	1.76	1.80	2.19	2.07	1.67
Vascular Lesions of the Nervous System	1.17	1.31	1.95	1.82	*
Heart and Circulatory Diseases	5.15	4.18	4.83	4.48	*
Respiratory Diseases	1.30	1.42	1.39	1.30	*
Maternal Mortality	—	0.47	0.13	0.16	0.25
Infantile Mortality	19.6	18.4	21.0	20.7	19.0
Neo Natal Mortality	6.5	9.7	14.3	13.9	13.0
Early Neo Natal Mortality	3.2	7.7	11.6	11.5	*
Perinatal Mortality	19.3	25.2	28.6	27.3	26.9
Still-Births	16.1	17.6	17.0	16.0	15.7

* Figures not available

DIVISIONAL VITAL STATISTICS

In the discussion that follows it should be remembered that the rates are calculated on relatively small numbers and that variations from year to year may or may not be statistically valid. No conclusions can therefore be drawn from minor fluctuations in rates from year to year, but observation of the overall trend of the differing rates over a period of years is of value. Crude rates are relatively invalid for comparative purposes since they are affected by the population structure as to age and sex; ageing populations for example, living in the most healthy surroundings, will obviously exhibit a higher crude death rate than a young population in the industrial areas.

Live Births :

In this division 102 illegitimate births have been recorded as compared with 93 last year, from a total of 2,070 live births. 4.9% of divisional live births were therefore illegitimate.

For some years the number of births and the rate have progressively increased. The birth rate for the division was 18.5, slightly in excess of that for the West Riding as a whole (18.4) and corresponded to an overall increase of population based on the Registrar General's estimate of population for mid-1965 of 30, the natural increase i.e. excess of births over deaths being 801. The birth rate is expressed as number of live births per thousand mid-year population, both male and female, and will obviously vary with the proportion of women of child bearing age, and to overcome this difficulty an area comparability factor has to be applied to crude rates. The rate is not however an accurate index of fertility. The rising trend in live birth rate has been accompanied by a general rise over the whole country of illegitimate births.

Deaths :

The death rate for the division from all causes, was 13.6 (West Riding 12.4). It remains at a fairly constant level and shows little fluctuation over the years. It approximated to that for the rest of the country and to the remainder of the West Riding. The rates, however, for individual causes reveal an interesting feature in this division. The commonest causes of death for England and Wales in descending order are as follows; heart and circulatory diseases, cancer, vascular lesions of the nervous system and respiratory diseases. In this division as a whole this ranking is not exhibited and respiratory diseases occupy a third position instead of fourth. The rates for these causes of death (see table) reveal the superiority of the death

rate from respiratory diseases in this area over that for the West Riding and the relative inferiority of the other three main causes of death. This can only be due to the unchecked atmospheric pollution to which this community is exposed.

Infant Mortality :

The infant mortality rate represents the number of children dying under the age of one year per thousand live births. The rate for the division of 18·4 (West Riding 20·7) was more satisfactory than last year and is less than that for the West Riding as a whole. This rate represents the most apparent gain in health of any community, showing a decline of one hundred and thirty per thousand since the end of the last century. Causes of death in the division were representative of the general pattern of infant deaths in the country from the ages of one week up to one year. Respiratory diseases were the commonest cause followed by congenital malformations, gastro-enteritis, and infectious diseases.

Peri-natal Mortality :

The infant mortality rate has proved the most useful measure of the risks during infancy in the past. It has provided an index of the relative wellbeing of a community. It is, however, most useful when employed as a vital statistic in emergent or relatively primitive communities and is not the most satisfactory guide to the standard of maternal care.

An infant mortality rate of 150 to 200 per thousand such as may still be found in the under developed countries, gives an immediate indication of its backwardness and at the same time of the measures which if brought into operation would at once reduce such a rate. In a country such as ours, however, the rate is now overweighted by those deaths occurring under the age of one month (neonatal). This combination of neonatal deaths within the infant mortality rate has the effect of reducing the apparent rate of decline of the latter. There is also a tendency, as the neonatal rate increases, for the stillbirth rate to diminish and it may be a fair assumption that the border-line between stillbirth and survival for the first week or month of life is to some degree artificial. To overcome the latter difficulty the perinatal rate, stillbirths and deaths under one week per thousand live and stillbirths, was introduced.

The perinatal mortality rate 26·2 (West Riding 27·3) shows an improvement on 1964 (34·6) and is less than the West Riding as a whole. The stillbirth rate i.e. births at or over twenty-eight weeks not live born per thousand births (live and still) was 17·6 (West Riding 16·0), an improvement over

1964 (19·6) but slightly higher than the West Riding. The commonest causes of death are prematurity, post-natal asphyxia, congenital malformations, birth injuries ; prematurity being the dominant factor.

Tuberculosis :

The death rate for tuberculosis was 0·04 (West Riding 0·04) and remains at a satisfactory low level with a total of 4 deaths, showing a slight but not significant decrease on the previous year. With the recent influx of susceptible populations to this country, efforts at eradication must continue, and such measures as contact tracing, B.C.G. vaccination, the use of diagnostic radiological services, and continuing improvements in nutrition must be diligently applied.

Infective and Parasitic Diseases :

The rate for these diseases, including all infectious conditions excluding tuberculosis but including venereal diseases was 0·03 per thousand (West Riding 0·04) with a total of one death. This position is a satisfactory one.

Cancer :

The death rate for cancer of all sites was 1·80 (West Riding 2·07) with a total for the division of 199 deaths, 55 or 27·5% of these were due to cancer of the lung.

Cancer of the lung is now the most common type of malignant disease in the country and this is reflected by the continually increasing proportion of deaths in this division from this cause. Cancer of the lung and bronchus now represents a major health hazard. In the last thirty years the deaths from these sites has increased eight fold in men and three to four fold in women. A third of the total cancer deaths in England and Wales are from these causes. The overwhelming majority of physicians have no doubt that the increase in cancer of the lung and bronchus is due to cigarette smoking, and that atmospheric pollution also plays a casual role. The position is most unsatisfactory.

Vascular Diseases of the Nervous System :

The death rate from these causes was 1·31 per thousand (West Riding 1·82), less than in the West Riding as a whole and slightly more than the previous year. Variations from year to year are only slight and it is hard to discern any trend in this area although in the West Riding an upward trend is apparent. The deaths include such factors as "strokes", due to cerebral haemorrhage, thrombosis or embolism, and mortality increases progressively with age.

Heart and Circulatory Diseases :

This group represents the commonest cause of death in this country. The rate for this division was 4.18 per thousand (West Riding 4.48), less than for the rest of the West Riding and similar to the previous year. The various districts showed a fluctuation around this mean divisional figure from which no deductions are apparent.

Coronary disease and angina provide the largest number of deaths in this group and the mortality is appreciably high at the ages of 45 to 54 years in men, the productive years.

Diseases of the Respiratory System :

As reported elsewhere, deaths from respiratory diseases are disproportionately high in this division in comparison with other causes of death. The death rate of 1.42 per thousand was higher than the remainder of the West Riding (1.30 per thousand). Deaths from chronic bronchitis are the most numerous in this group. This disease is important not only as a cause of death but also as a cause of frequent and repeated morbidity and represents a serious loss to the country. Both atmospheric pollution and cigarette smoking are heavily incriminated in its production and play a far more important role than working conditions. Prevention of this disease is all important since once structural changes have taken place the course of the illness is relentlessly progressive. It is regrettable that despite the overwhelming medical evidence, atmospheric pollution is still allowed to continue unabated.

It is not sufficient to ensure that new building shall be smokeless and I would urge the creation of smoke control areas in all urban districts as an urgent health measure.

Maternal Mortality :

The maternal mortality rate i.e. maternal deaths per thousand live and still births was 0.47 (West Riding 0.16).

SECTION 'B'

General Provision of Health Services in the Area

Divisional Medical Officer and Medical Officer of Health :

Dr. D. J. Cusiter

Divisional Nursing Officer :

Miss V. Dunford

Senior Assistant County Medical Officers :

Drs. J. D. Hall,
D. M. Bell,

S. K. Pande,
Margaret Bolsover.

Part-time Medical Officers :

Drs. Barbara Demaine,
M. F. W. Bajorek,
P. L. Baker,
B. R. Baker,
I. Campbell,
Jessica Core,

Marion Lister,
W. R. Porter,
Mary Scott,
H. H. Smith,
J. Wilczynski.

Obstetrician :

Dr. J. C. MacWilliam

Paediatrician :

Dr. C. C. Harvey

Ophthalmologists :

Miss M. A. C. Jones,

Dr. S. K. Bannerjee.

Child Psychiatrist :

Dr. J. D. Orme

Child Guidance :

Mr. H. B. Valentine,

Mrs. L. Bruce.

Health Visitors and Assistant Health Visitors :

Mrs. E. Appleyard,
Mrs. J. Brown,
Mrs. N. M. Dunford,
Mrs. G. I. Ellis,
Miss L. Ferneyhough,
Mrs. M. Fisher,
Mrs. D. Goddard,
Miss M. L. Hampshire,
Mrs. M. Jenkinson,
Mrs. M. M. Knowles,
Mrs. G. Malpass,
Mrs. J. V. McLoughlin,

Mrs. M. Mitchell,
Mrs. N. M. Noble,
Miss M. O'Connor,
Mrs. I. Pettman,
Mrs. E. Pocklington,
Mrs. O. Smith,
Miss M. Sorby,
Miss A. D. Willoughby,
Miss H. Wray,
Mrs. I. E. Milnes,
Mrs. J. Hanmer,
Mrs. I. Senior.

Midwives :

Mrs. D. P. J. Butler,	Miss G. Randall,
Mrs. G. M. Corley,	Mrs. N. Roe,
Miss J. Dearden,	Mrs. A. E. Smith,
Mrs. O. D. Edwards,	Mrs. M. Smith,
Mrs. M. L. Green,	Mrs. E. Stott,
Mrs. A. Hessam,	Mrs. D. A. Taylor,
Mrs. H. E. Hillery,	Mrs. V. Tunney,
Miss K. A. A. Howland,	Miss A. Vernon,
Mrs. F. Lauanders,	Mrs. R. Williams,
Mrs. B. Hill,	Miss D. A. M. Spencer.
Mrs. V. J. Marley,	

District Nurses :

Mrs. M. Brookes,	Mrs. M. Herring,
Mrs. J. Cox,	Mrs. B. W. Hucknall,
Mrs. S. R. Dickinson,	Mrs. A. Leavers,
Mrs. H. Dyson,	Mrs. M. Lidster,
Mrs. E. Elsworth,	Mrs. M. McCormack,
Mrs. R. Fairman,	Mrs. A. E. Moore,
Mrs. E. Firth,	Mrs. M. Probert,
Miss E. Gill,	Mrs. K. Roebuck,
Mrs. I. Goldsbrough,	Mrs. M. Waldron,
Mrs. N. Harrison,	Mrs. J. Wilson.

Mental Welfare Officers :

Mrs. F. H. Redman,	Miss D. Bailey.
Mr. R. N. Halliday,	

Training Centre :

Supervisor : Mrs. P. M. Winstanley

Miss J. Hoyle,	Mrs. M. Gray,
Mr. D. Beevers,	Miss P. Peart,
Mr. T. Garbett,	Miss J. Oscroft,
Mrs. E. Naylor,	Miss P. Hart,
Mrs. I. Ardron,	Mrs. M. Haywood.

Administrative and Clerical Staff :- Senior Clerks :

Mr. P. Goddard,	Mr. A. Wilkinson.
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Sectional Clerks

Mr. C. V. Eyre,	Mr. H. Haigh.
Mr. E. K. New,	

Clerks :

Mrs. D. Billington,	Mrs. H. Shirley,
Mrs. J. Gwynnette,	Mrs. P. A. Sturman,
Mrs. K. S. Hickling,	Miss S. A. Winder,
Mrs. H. Mangham,	Miss S. Bennett,
Mrs. A. Mann,	Miss J. Worton.
Mrs. F. Shaw,	

Home Helps :

174 home helps

LOCAL HEALTH AUTHORITY SERVICES

Care of Mothers and Young Children - Section 22

Ante-Natal Clinics :

C.W.C. Welfare Avenue, Conisbrough.	Thursday 2 - 4 p.m.	Dr. J. C. MacWilliam
C.W.C. Church Road, Denaby Main.	Wednesday 10 a.m. - 12 noon	do.
C.W.C. Welfare Park, Goldthorpe.	Thursday 2 - 4 p.m.	do.
C.W.C. Adwick Road, Mexborough.	Wednesday 2 - 4 p.m.	do.
C.W.C. Barbers Avenue, Rawmarsh.	Thursday 10 a.m. - 12 noon	Dr. Mary Scott
C.W.C. Rock House, Swinton.	Thursday 10 a.m. - 12 noon and 2 - 4 p.m.	Dr. H. H. Smith
C.W.C. off Houghton Road, Thurnscoe.	Friday 10 a.m. - 12 noon	Dr. J. C. MacWilliam
C.W.C. Church Street, Wath-upon-Dearne.	Friday 10 a.m. - 12 noon	Dr. Dora Chapman October 1964 Dr. Margaret Bolsover
C.W.C. Monkwood.	Wednesday 2 - 4 p.m.	Dr. Margaret Bolsover

Attendances :

Clinic	No. of patients who attended	No. of Attendances
Conisbrough ...	34	275
Denaby Main ..	119	534
Goldthorpe ...	104	393
Mexborough ...	125	659
Rawmarsh Barbers Ave.	199	779
Rawmarsh Monkwood ..	20	58
Swinton ...	159	955
Thurnscoe ...	69	170
Wath-upon- Dearne ...	93	525
TOTAL	922	4,349

Dr. J. C. MacWilliam, who is medical officer in charge of the ante-natal clinics in the Conisbrough, Mexborough and Dearne areas, also holds a joint appointment as Senior Hospital Medical Officer at the Montagu Hospital, Mexborough. I am most grateful for his co-operation and support.

There were 2,103 live and still births in the divisional area in 1965. 57% of all expectant mothers in the area attend the Local Authority's ante-natal clinics at some time during their pregnancy.

Ante-Natal Relaxation Classes :

Relaxation classes are held at 9 centres which are listed below.

Clinic					No. of attendances
Denaby Main	...	...	...	...	123
Goldthorpe	...	...	...	...	498
Mexborough	...	...	...	...	129
Rawmarsh	...	...	...	...	371
Swinton	...	...	...	...	273
Thurnscoe	...	...	...	...	135
Wath-upon-Deane	...	...	...	...	445
Conisbrough	...	...	...	...	113
TOTAL					2,087

Family Planning Clinics :

The Mexborough Branch of the Family Planning Association have the use of the child welfare centre at Mexborough for their clinics. They also receive a grant-in-aid from the County Council, following an agreement that they should take over the functions of the birth control clinic, formerly run by the County Council at Rock House, Swinton. Sessions are held each Tuesday evening from 6.15 p.m. to 7.30 p.m. with the exception of the month of August.

Forty-three sessions were held at which a total of 426 women attended, thirty-four of these were new patients, 19 of which were transfers from other family planning clinics. 632 women attended for teaching purposes and for general observation and 785 for medical consultations only. An average of 18 attended at each session three of which were new patients.

Infant Welfare Clinics :

C.W.C. Conisbrough Monday 2 - 4 p.m.	Dr. M. Bajorek
C.W.C. Denaby Main Tuesday 2 - 4 p.m.	Dr. M. Bajorek
C.W.C. Goldthorpe Monday 2 - 4 p.m.	Dr. B. R. A. Demaine
C.W.C. Mexborough Tuesday 2 - 4 p.m. Thursday 2 - 4 p.m.	Dr. B. R. A. Demaine Dr. W. R. Porter
C.W.C. Rawmarsh (Monkwood) Thursday 2 - 4 p.m.	Dr. D. M. Bell
C.W.C. Rawmarsh (Barbers Avenue) Tuesday 2 - 4 p.m.	Dr. Jessica Core
C.W.C. Swinton Monday 2 - 4 p.m.	Dr. I. Campbell
C.W.C. Thurnscoe Monday 2 - 4 p.m.	Dr. J. Wilczynski
C.W.C. Wath-upon-Dearne Monday 2 - 4 p.m.	Dr. D. M. Bell Dr. Marion Lister
C.W.C. Wath-upon-Dearne Tuesday 2 - 4 p.m.	Dr. Marion Lister
C.W.C. Kilnhurst Wednesday 2 - 4 p.m.	Dr. Jessica Core

Attendances :

Centre	No. of individual children who attended	Total No. of Attendances	
		Under 1 year	Over 1 year
Conisbrough	210	2565	561
Denaby Main	281	1043	917
Goldthorpe	534	2713	610
Kilnhurst	210	894	978
Mexborough	466	4081	918
Monkwood	260	834	789
Rawmarsh	454	888	1083
Swinton	485	1941	2114
Thurnscoe	601	1457	2710
Wath-on-Dearne	882	2083	2756
	4383	18499	13436

In 1964 an average increase of 3,000 in the number of attendances at infant welfare clinics was reported. The figures for 1965 showed a corresponding decrease and the attendances approximate to those for 1963. The decrease is mainly in the infants under one year of age with a corresponding increase in those in the higher age groups. There was a 10% decrease in the numbers of individual children attending the clinics and this decrease applied equally to all age groups.

The improvements in the staffing position enabled one hundred and fifty clinic sessions to be conducted by local health authority medical officers compared with ninety-seven in 1964, with a corresponding decrease in the number of sessions by the general practitioners on a sessional basis.

The clinics in general provide facilities for the examination of varying ages and for immunisation and vaccination. Sessions are held also for ante-natal and relaxation purposes. The recommended range of proprietary foods are on sale at all clinics.

The immediate clinic building programme is now completed and the new clinic at Mexborough has been brought into full use by both family doctors and local health authority staff. Planning for a new clinic at Swinton is now in an advanced state and it is expected that building will commence in 1967 as part of the Swinton Redevelopment Scheme.

Premature infants :

A premature infant is one which weighs $5\frac{1}{2}$ lbs., or less at birth. This standard is a convenient one since the medical care of small babies whether they are premature or immature is along the same lines. It must be noted, however that not all babies of this weight bear the same hazard. Observations on the risks of prematurity are included elsewhere in the preface to this report.

There were 149 premature births (including 5 sets of twins) in this division ; 22 were still-born. 18% of the premature babies were born at home and 82% in hospital. Of these born at home 3 weighed under 4 lbs. 12 premature babies died in the first four weeks of life ; all in hospital.

PREMATURE INFANTS BORN IN 1965

District	Born Alive			Stillbirths			No. removed to Hosp. After Birth	No. who survived 28 days		
	At Home	In Hosp.	Total	At Home	In Hosp.	Total		Born at Home	Born in Hosp.	Total
Conisbrough	8	20	28	—	2	2	—	8	16	24
Dearne	6	32	38	—	9	9	1	5	29	34
Mexborough	4	8	12	1	3	4	—	4	8	12
Rawmarsh	5	21	26	—	1	1	2	5	20	25
Swinton	1	7	8	—	1	1	—	1	7	8
Wath-upon-Dearne	4	11	15	1	4	5	—	4	8	12
TOTALS	28	99	127	2	20	22	3	27	88	115

Care of the Unmarried Mother and Child :

A total of 82 illegitimate births were notified during 1965, 75 of which were discovered by our own staff, 4 referred by a moral welfare organisation and 3 by other services.

Marital Status :

(1) Married :

(a) with previous illegitimate children ...	...	5
(b) without previous illegitimate children ...	...	13

(2) Single :

(a) with previous illegitimate children ...	...	7
(b) without previous illegitimate children ...	...	49

(3) Widowed or Divorced :

(a) with previous illegitimate children ...	...	5
(b) without previous illegitimate children ...	...	3

Age incidence :

(1) Age 15 - 19	...	...	...	...	...	29
(2) Age 20 - 24	...	...	...	...	...	21
(3) Age 25 - 29	...	...	...	...	...	21
(4) Age 30 - 39	...	...	...	...	...	9
(5) Age 40 and over	...	...	...	...	...	2

In 2 cases the baby died ; 8 were adopted ; the grandparents kept the children in 4 cases and 59 of the mothers kept their child. In the remaining 9 cases the parents were eventually married.

Under the County Council's Scheme for the care of the unmarried mother and child, financial responsibility may be accepted for the maintenance of unmarried mothers in Welfare Homes for thirteen weeks. The thirteen weeks is exclusive of the lying-in period. Liaison is maintained between the health department staff and moral welfare social workers at Doncaster and Rotherham. Local interviews by the latter can be arranged if required at Mexborough on Thursday evenings.

Problem Families :

The co-ordinating committee concerned with problem families meets at regular intervals under the chairmanship of the Divisional Medical Officer and includes the Divisional Nursing Officer and representatives from the health department, (school medical officers, health visitors, mental welfare officers, public health inspectors), the education department, welfare and children's departments, N.A.B., housing departments, N.C.B., N.S.P.C.C., and probation services. There are rather more than a hundred problem families in the division and thus it is

only possible to discuss the more outstanding and difficult cases at these meetings. Particular attention is paid to those families where the County Council have agreed to guarantee rent payment to the district council.

The information obtained from all sources at the co-ordinating committee is correlated and group decisions are taken as to the best way in which families can best be helped.

MIDWIFERY — SECTION 23

The number of home confinements continued to decrease during 1965, a pattern repeated over the whole country. During the last four years the national proportion of home confinements has fallen to 30%. The level of attendances at ante-natal clinics has shown some fluctuation.

23 midwives were employed in the divisional area at 31st December, 1965; the authorised establishment being 24. It is gratifying, in view of the national shortage of practicing midwives, to know that midwives can be recruited and retained in an industrial area such as ours. The average number of confinements attended by each midwife during 1965 was 38. All midwives are authorised to use their private motor cars on official business and the County Council in common with other local authorities operate an assisted car purchase scheme for staff classified as "essential users".

Refresher courses were arranged for those members of the staff who were required to attend in accordance with Section G of the Rules of the Central Midwives Board. The County Council also provided courses of instruction for midwives at the Adult College at Grantley Hall. Additionally, meetings of midwives are arranged at regular intervals locally.

The issue of Trilene Inhalers to all staff was completed during the year and arrangements were subsequently made to withdraw the "Minnitt" Gas and Air machines previously used.

Of the 2,103 live and still births in the division during 1965 the district midwives delivered 868 babies. 48% of all deliveries therefore were domiciliary. The Cranbrook Committee in its report on the Maternity Services recommended that provision should be made for 70% of all mothers to be confined in hospital. The need for more maternity beds in the area must again be emphasised. General practitioners were present at 139 of the home confinements and medical aid was requested on 123 occasions. Midwives also attended 53 mothers who were discharged from hospital after 48 hours, a further 169 discharged up to and including the fifth day and 327 discharged before the tenth day after delivery.

Visits :

		Ante-Natal	Post-Natal
Domiciliary cases	... ..	6,668	12,556
Hospital cases	... ..	873	2,820
		<hr/>	<hr/>
		7,541	15,376
		<hr/>	<hr/>

HEALTH VISITING - SECTION 24

All the health visitors in this division are now attached to family doctors and as a development of my comments in my 1964 annual report, during 1965 the health visitors were asked to let me have their frank opinions as to the merits or otherwise of such attachments. The following are their comments and are of some interest:—

“The doctors to whom I am attached and I, meet fortnightly. I find these meetings useful in that I have got to know the doctors personally instead of just as a voice over the telephone. In general I find that family doctor liaison has made little difference in my day to day visiting. I think that the benefits from family doctor liaison will be more apparent in the next few years”.

“We feel that this liaison is essential and that it is working quite well. We have found no difficulty in covering the visiting because the doctors confine their practice to the immediate area”.

“The cases referred to me are mostly old people with a problem or occasionally a problem family who need special visiting, and I feel that some families who come into the area may be missed as we may think that these families are being visited by another health visitor”.

“In this group practice with three doctors, I find it imposible to visit adequately all the families on the list. I still feel a special tie with the small area I visited before the attachment, and tend to feel that I am wasting my time travelling longer distances, especially if the person in question is out when I get there. I also find in these three areas that I know nobody and nobody knows me. In school work we shall soon find that we no longer know all the children and their home backgrounds”.

"Doctors are more approachable and are getting to know us better. We do not however know the people the same; with a block area you know everyone and if anything unusual happens you are aware of it. We cannot keep track of the floating population".

"Before the attachment to Doctors' practices in 1964, I always found liaison with doctors in the area satisfactory on the whole. I cannot say that it has made much difference. Health visiting was more interesting then with a greater variety of problems. Visiting on a smaller area it is easier to keep in regular contact with families needing supervision and also to get to know all the families better".

"The family background of the school child is not known to the health visitor when she visits the school; this may be a disadvantage to the health visitor and to the school medical officer".

"Too much time consumed in having to travel over a wider area; unable to carry out routine visits. The health visitor loses touch with the school child and his family, therefore she is unable to give the teacher any information about the child's background which may be in the interest of his education".

"I have found the work much more interesting. Because, however, of the greater amount of distance to cover and more work to do, I find I no longer know my families; lack of information at school medicals".

"The new scheme of attachment has not made a great deal of difference to me except that travelling time has now increased. I seem to be working in the same way as before and have little contact with the general practitioners. Possibly the most difficult thing to overcome is the public's attitude; they cannot seem to adjust to the change and this applies especially to the older people. A lot of time is still taken up by problems brought to me by people from my old area, which are now not my real concern".

"Local authorities and general practitioners services are now brought closer together to the mutual advantage of the doctors, health visitors and above all the patient. The general public are increasingly aware of the co-operation between general practitioners and health visitor and from the health visitors point of view work is more interesting. The doctors with whom I work

find the liaison to their advantage. I have less time to give to routine visits. I have a larger area of ground to cover and visits have become more selective. In cases where general practitioner surgeries are held, the setting up of clinics is delayed until late in the morning.

This entails either a return visit to the clinic during one's visiting, or setting up during the lunch hour".

"More understanding between doctor and health visitor and so better help is given to people. More spread out area and ineffective visits are very time consuming".

"Little variety of problems ; many more ineffective visits. The apparently normal families are not getting visited".

No firm conclusions can be drawn but I have commented further in the preface to this report.

24 nurses were employed in the health visiting service at the 31st December, 1965, 18 of whom are fully qualified health visitors. The remaining 6 are all state registered nurses.

The training of health visitors in this division in the techniques of audiometry have continued and this has proved a most important and rewarding part of their duties. Details are given later in this report of the activities of the health visitors in the ever expanding health education programmes.

The following is an analysis of the work undertaken by health visitors during 1965 :—

Visits :

Expectant mothers	...	...	135
Children under 1 year	...	6,076	
Children aged 1 ~ 2 years	...	4,344	
Children aged 1 ~ 5 years	...	7,628	18,048
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Tuberculosis households	...		518
Other cases	...		11,734
School health cases	...		1,772
Ineffective	...		1,629
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Total			33,836
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Clinic and School Sessions :

Maternity and Child Welfare	2,081
Ultra Violet Light	6
Specialist - Chest	...	...	1
- Other	...	...	210
School Health	...	...	1,445
			<hr/>
Total			3,743
			<hr/>

Since the formation of the National Health Service the work of the health visitor has expanded from its original role of the care of mothers and babies to the wider field of the families as a whole. The number of visits made continues to increase without proportionate increases in the total number of health visitors employed.

HOME NURSING - SECTION 25

The staff of the home nursing service in the division at 31st December, 1965 consisted of 22 full-time nurses. The staff who are able to drive cars are either authorised to use their own vehicles on official business or have been provided with County owned motor vehicles.

The home nurses and health visitors are often instrumental in arranging financial relief for patients through such agencies as the National Society for Cancer Relief and the Marie Curie Fund. I am grateful for the help which we receive from these voluntary organisations. The total sum disbursed in the year was £290 5s. 0d.

A night and day sitting service has been established. The strain experienced by relatives in nursing terminal illnesses can be relieved by the provision of a nurse or a lay person to remain with the patient during the day or the night. The cost is supported by the County Council. Six patients were supplied with this service during 1965. The time involved was 433 hours and the cost £132 8s. 10d..

The following are statistics relating to the work of the home nurses in 1965. It will be seen that they made 49,056 visits to 1,937 patients. Nearly half of the patients nursed were aged 65 or over and they were visited on 28,487 occasions. 526 patients had more than 24 visits each during the year.

Case Summary :

Classification	No. of cases attended	No. of visits made
Medical	1,393	38,277
Surgical	384	8,120
Infectious Diseases	42	252
Tuberculosis	28	1,591
Maternal complications	54	440
Other	36	376
TOTALS:	1,937	49,056
Patients included above who were aged 65 or over	985	28,487
Children included above who were under 5 or less	63	389
Patients included above who have had more 24 visits or more	526	31,619

The total number of staff weeks worked during the year
on home nursing 878

Of the total of 1,937 patients nursed during the year 1,370 cases were completed by the 31st December, 1965. The main categories of diseases for which these patients were treated included respiratory diseases (i.e. bronchitis, pneumonia but not tuberculosis) 161 anaemias 114 complications of pregnancy 73 skin diseases (i.e. boils, carbuncles etc.) 89 ; constipation 60 ; diseases of the heart and arteries 100. The treatment consisted of injections in 570 cases and general nursing in 626 cases. Antibiotics were administered by injection in 332 cases and drugs for anaemias accounted for 173 cases in which injections were given. 7,074 visits were made by home nurses for the sole purpose of giving injections.

The ovewhelling proportion of the work of the district nurse is now concerned with the over sixty-fives, and this is reflected in the increasing proportion of local authority costs for this age group, e.g. home helps, chiropody, wardens schemes etc. This disproportion is reflected in the hospital and general

practitioner services, and there is no doubt that such disproportionate expenditure will continue to rise as the numbers of the aged increase.

Training Scheme :

The County now trains its own home nurses. Nurses with S.R.N. qualifications can only be accepted for temporary appointments. If they accept the approved course of training for the Queen's Institute of District Nurses and have had less than eighteen months experience of home nursing they are seconded to another division for a period of three or four months. In our own division, Mrs. Hucknall Senior Nursing Sister, Rawmarsh, and Mrs. M. Brooks, Senior Nursing Sister, Thurnscoe, have been selected as Sisters in charge of training.

The nurse under instruction remains under the supervision of one or other of these senior sisters for the whole of the period. Lectures are held at Wakefield and three weeks are spent at the Johnson Memorial Home, Sheffield. Miss N. I. Harris, Home Nurse Tutor and Miss V. Dunford, Divisional Nursing Officer, supervise the overall training programme.

VACCINATION AND IMMUNISATION - SECTION 26

Smallpox Vaccination :

Age at 31/12/65	Under 1 1965	1—4 1961/64	5—14 1951/60	15 or over before 1951	Total
No. Vaccinated					
Dearne	6	40	4	6	56
Conisbrough	—	54	2	1	57
Mexborough	—	33	2	3	38
Wath	1	51	6	2	60
Swinton	1	47	3	6	57
Rawmarsh	4	35	3	2	44
Total	12	260	20	20	312
No. Re-vaccinated					
Dearne	—	—	—	3	3
Conisborough	—	—	1	—	1
Mexborough	—	1	1	1	3
Wath	—	—	3	3	6
Swinton	—	—	—	2	2
Rawmarsh	—	—	1	1	2
Total	—	1	6	10	17

Diphtheria Immunisation :

Urban District	No. of children primarily Immunised			No. of children given booster doses during 1965
	Under 5 yrs.	5—14 years	Total	
Conisbrough	259	65	324	215
Dearne	462	117	579	416
Mexborough	213	77	290	224
Wath	242	31	273	164
Swinton	240	29	269	192
Rawmarsh	317	38	355	191
Total	1733	357	2090	1402

The immunisation rate in this division is at a satisfactory level, and no cases of diphtheria have been reported for some time. It is of the utmost importance to ensure the immunisation of all children in their first year of life and that this immunity be boosted at the age of five years and again at ten years.

Poliomyelitis Vaccination :

	No. of persons completely Vaccinated during 1965		Total persons completely Vaccinated	
	3 Dose	4 Dose	3 Dose	4 Dose
Children born in years 1950 — 1965	3726	1257	28433	8328
Young Persons	371	—	12618	1761
TOTAL	4097	1257	41051	10089

Vaccination against poliomyelitis is now carried out by means of oral vaccine only and is given as three doses in the first year of life followed by a booster dose at the age of five years. The advent of the Sabin vaccine has produced what may well be an almost total acceptance with the general public.

Following the outbreak of poliomyelitis in Lancashire during the year the immunisation rate of school children was reviewed and measures were taken which have resulted in an acceptance rate of 98%. This is further referred to in the school health section of this report.

AMBULANCE SERVICE - SECTION 27

The divisional area is served by the County Ambulance Station at Dunford House, Wath-on-Dearne. The Station Officer is Mr. F. Hyde, G.I.A.O., who has kindly supplied the statistics listed below. The staff of 30 includes 22 male driver-attendants, 1 female driver-attendant, 5 male shift leaders and 2 clerk/telephonists. During the year one female driver-attendant retired and was replaced by a male driver-attendant.

No. of patients conveyed	...	...	...	38,675
No. of journeys	...	...	...	6,755
Total mileage 1.1.65 to 31.12.65	...	...	...	206,075

Details of journeys :

No. of patients to out-patient clinics	...	...	30,590
No. of patients for admission to hospital	...	...	3,605—(2,180 emergencies)
No. of patients for discharge from hospital	...	...	2,600
No. of patients transferred from hospital to hospital	...	...	954
No. of patients from accidents	...	...	926
Total			38,675

The eight vehicles stationed at Wath-upon-Dearne are all equipped with short wave radio communication sets. The Station Superintendent and his staff have all received instruction in emergency resuscitation, emergency midwifery and emergency treatment of unconscious casualty. The Station Superintendent received this instruction at a course at Leeds Infirmary and the remainder of the station staff received instruction from myself. Films have also been shown on mouth to mouth breathing and emergency childbirth by the Divisional Nursing Officer. The ambulance depot has its own inspection pit and maintenance department but major repairs are referred to County Ambulance Headquarters, Birkenshaw, Bradford.

During the year outbuildings were demolished to give a direct entrance to the maintenance garage and to provide further car parking facilities. The Womens Voluntary Service became available and this has been called upon during emergencies for sitting patients.

The Ambulance Depot telephone number is Wath-upon-Dearne 2234/5 night and day, and any person can order an ambulance for any accident or emergency childbirth where it is apparent that emergency hospital treatment is required. All members of the service hold a valid certificate of the St. Johns Ambulance Association.

Out-patients form the great majority of ambulance patients, accident cases by comparison form only a small percentage of the whole. The number of ambulance cases continues to rise each year whilst the total distance for each patient decreases despite active measures taken to discourage unnecessary use of ambulances. The total number of patient journeys has risen by three times. It should, however, be noted that efficient organisation has prevented a proportionate rise in costs. There can be no expectation of a decrease in the use of this service as the numbers of the elderly of the population continue to rise.

PREVENTION OF ILLNESS - CARE AND AFTER CARE SECTION 28

Nursing Equipment in the Home :

1,308 issues of various form of nursing equipment were made in 1965. These items ranged from feeding cups and walking sticks to hospital beds and hydraulic hoists.

Each home nurse keeps a stock of smaller items of equipment and the larger items are stored with a reserve supply of minor items at Wath-upon-Dearne and Mexborough. A monthly return of available equipment is sent to Central Office at Wakefield so that transfers can be readily effected between divisional areas as the occasion demands.

Every use is made of disposable items of equipment such as bed pads and pants for incontinent patients and plastic syringes and disposable needles.

Enuresis alarms are made available for use with children who are habitual bed-wetters on medical recommendation. 28 alarms were available at the end of December 1964 and they had been issued 42 times in all.

Hospital After-care :

The following hospitals are attended by health visitors each week :—

Montagu Hospital, Mexborough

Fullerton Hospital, Denaby Main

Wathwood Hospital, Wath-upon-Dearne (primarily for chest cases)

Doncastergate Hospital, Rotherham

Moorgate Hospital, Rotherham.

Mrs. O. Smith, health visitor, reports :—

"I took over the duties of hospital liaison from Mrs. Jenkinson with some anxiety during 1965. A particular aspect of the work which gave me some concern was the responsibility of visiting the aged at home awaiting admission to hospital. Each week I visited Doncastergate and Moorgate hospitals and on my return referred any problems to the appropriate health visitor. Although most of my visiting is connected with the elderly, problems have arisen with younger patients ; i.e. a husband with an incapacitated wife ; an adolescent girl confused and unhappy, reluctant to return home ; a mother worried about her children whilst she is in hospital. I have received detailed information from the maternity units with particular emphasis on problem families and unmarried mothers, the latter are visited by Moral Welfare Workers in hospital, but I also find it useful to have some knowledge of such cases to avoid the embarrassment of initial home visits after birth to a mother whose baby has been fostered or adopted.

I receive information weekly from the hospital secretary about the waiting list of old people. These cases are discussed monthly by Dr. Cantor and myself and their urgency is reviewed.

I have been particularly impressed after a long absence from hospital work to visit children's wards and see the modern incubators and up to date methods of feeding preparation. Premature babies born in Moorgate Hospital are kept on the maternity ward and the premature babies born out of hospital are transferred to Block "B" of the same hospital.

Each month I visited Oakwood Hall and Badsley Moor Lane hospitals. I have found the work enjoyable and rewarding and it has been made the more easier by the ready co-operation of all the nursing and medical staff of the hospitals. I have always been allowed free access to the patients".

Doncaster Gate Hospital :

No. of visits to hospital	...	...	...	...	49
No. of interviews in hospital	...	...	...	...	107
No. of home visits	...	...	...	...	60
No. of investigations of home conditions	...	...	...	...	70
No. of cases for supervision by health visitors on discharge	...	...	...	...	35
No. of home nurses arranged for patients on discharge	...	...	...	...	20
No. of home helps arranged for patients on discharge	...	...	...	...	10
No. of cases for which convalescent home treatment arranged	...	...	...	...	—
No. of cases of special environmental investigations	...	...	...	...	7

Moorgate Hospital :

No. of visits to hospital	...	...	...	...	59
No. of interviews in hospital	...	...	...	...	115
No. of investigations of home conditions	...	...	...	...	70
No. of cases for supervision by health visitor on discharge	...	...	...	...	56
No. of home nurses arranged for patients on discharge	...	...	...	...	30
No. of home helps arranged for patients on discharge	...	...	...	...	22
No. of cases for which convalescent home treatment arranged	...	...	...	...	—
No. of cases of special environmental investigations	...	...	...	...	40

Wathwood Hospital :

The health visitor Mrs. Jenkinson reports as follows :—

“Once again I have spent a very happy year visiting Wathwood Hospital. Wards “D” and “C” and the cubicles have been for the most part for short stay patients admitted for investigations or for such conditions as congestive heart failure. During 1965 ten orthopaedic beds were taken over on

Block "B" for female geriatric patients. A total of 32 female geriatric beds are now available and 16 of these were occupied by patients from this area at the end of the year. A further 9 elderly female patients were admitted for holiday periods also.

Wathwood Hospital :

No. of visits to hospital	...	...	...	...	42
No. of interviews in hospital	...	...	...	...	206
No. of home visits	...	...	...	...	—
No. of investigations of home conditions	...	...	...	...	182
No. of cases for supervision by health visitor on discharge	...	...	...	...	35
No. of home nurses arranged for patients on discharge	...	...	...	...	1
No. of home helps arranged for patients on discharge	...	...	...	...	7
No. of cases for which convalescent home treatment arranged	...	...	...	...	—
No. of cases of special environmental investigations	...	...	...	...	4

Tuberculosis After-care :

The divisional area is served by two consultant chest physicians, Doctors J. D. Stevens at Mexborough and A. C. Morrison at Rotherham. Excellent co-operation is maintained ; a health visitor visits the Mexborough chest clinic each week to consult with the chest physician and a further health visitor attends each week at the Wathwood Hospital for the same purpose. Both these health visitors are concerned with the arrangements for after-care and to help in the resolution of any problems experienced by any of the patients on their discharge from hospital. All applications for extra nourishment grants are initiated by the health visitor and countersigned by the chest physician ; such applications are reviewed every two months.

Health visitors are responsible for the provision of background reports on contacts of notified cases of tuberculosis. 83 contacts of the 16 known cases attended the chest clinic during the year and on an average 5 contacts for each case are referred in this way. Three of the 83 contacts were later found to be suffering from the disease.

B.C.G. vaccination of school children was continued and of the 2,164 children offered Heaf testing 80% accepted ; an increase of 10% over 1964. The incidence of negative reactors in the schools was within the national average. The number

of positive reactors referred for chest x-ray i.e. grade 3 or 4 was within normal limits. One case of active primary pulmonary tuberculosis was discovered following Heaf testing in a boy of 13. He has now been discharged from hospital and is making satisfactory progress. Thirty-one immediate contacts of this case together with 24 staff contacts were followed up. Twenty-three of the pupils were Heaf negative and were given B.C.G. vaccination followed by chest x-ray by the Mass Radiography Unit together with all the staff. All were clear. Seven of the pupils were Heaf positive and were referred for investigation at the chest clinic.

The South Yorkshire Area Mass Radiography Unit held public sessions at the Central Hall, Thurnscoe during 1965 and 1,725 x-rays were carried out ; a total of 117 abnormalities were discovered.

Non-tuberculosis abnormalities discovered are classified as follows :—

Abnormalities of the Bony Thorax and Soft Tissues—Congenital	...	...	...	2
Abnormalities of the Bony Thorax and Soft Tissues—Acquired	...	...	...	1
Bacterial and virus infections of the lungs	...	...	...	1
Bronchiectasis	...	...	...	6
Emphysema	...	...	...	2
Pulmonary fibrosis—non-tuberculosis	...	...	...	8
Pneumoconiosis—not previously certified	...	...	...	53
Pneumoconiosis—previously certified	...	...	...	12
Benign tumours of the lungs and mediastinum	...	...	...	1
Carcinoma of the lung and mediastinum	...	...	...	1
Enlarged mediastinal and bronchial glands non-tuberculosis	...	...	...	—
Sarcoidosis and collagenous disease	...	...	...	—
Pleural thickening of calcification — non-tuberculosis	...	...	...	4
Abnormalities of the diaphragm and oesophagus ; congenital and acquired	...	...	...	1
Congenital abnormalities of heart and vessels	...	...	...	—
Acquired abnormalities of heart and vessels	...	...	...	8
Miscellaneous	...	...	...	2

Beds and bedding are available on loan to those patients who require bedroom segregation and subject to the recommendation of the chest physician, extra nourishment in the form of milk is provided free of charge to all patients suffering from active pulmonary tuberculosis ; the number of such patients continues to decrease. Two of the 54 cases receiving extra nourishment at the 31st December 1965 received one pint of milk daily instead of the usual two. 18 grants were made during the year and 19 discontinued.

The Doncaster and Rotherham Care Committee have provided personal clothing for such patients where a need exists and when the recommendation is supported by the chest physician.

All the district councils in the division allow priority of housing on the recommendation of the Medical Officer of Health for active cases of pulmonary tuberculosis where the Medical Officer of Health considers that their present housing accommodation is inadequate or where there is over-crowding, or where the house is situated in areas of gross atmospheric pollution.

Chiropody :

The number of patients receiving chiropody treatment decreased by 735 compared with 1964. Of the 3,356 patients on the register approximately 695 received treatment at home. The total number of treatments given showed a decrease from the previous year of 615.

Summary of treatments :

Voluntary Association	Total Sessions	No. of Patients treated			No. of attendances
		Domi-ciliary	Non-Domi-ciliary	Total	
Bolton-on-Deerne O.A.P. Association	188	126	375	501	2435
Goldthorpe O.A.P. Association					
Thurnscoe O.A.P. Association					
Thurnscoe W.V.S.					
Conisbrough & Denaby Main O.A.P. Welfare Committee	32	—	83	83	297
Mexborough Old Folk's Welfare Committee.....	218	114	442	556	2474
Swinton Aged Peoples Welfare Committee.....	135	107	257	364	1657
Rawmarsh Aged Peoples Welfare Committee.....	225	188	401	589	2646
Wath-on-Deerne Aged Peoples Welfare Com'tee	161	160	268	428	2106
Total	959	695	1826	2521	11615

I would like to express my thanks to the officials of the voluntary association.

National Assistance Act, 1948 - Section 47 :

This section of the Act is concerned with the compulsory removal of persons in need of care from their homes on a Court Order or in an emergency on an Order signed by two medical practitioners and a Justice of the Peace.

Such person may be removed to a County Home or hospital, provided that all the sections of the Act are satisfied. It was not necessary to take any action under this section in 1965.

Joint Wardens Schemes for the supervision of the aged :

The scheme, organised jointly by the county council and the local district councils, provides for the supervision by wardens of aged persons, both in units or other purpose-built accommodation and in ordinary dwellinghouses. The wardens may or may not be resident. In all cases, the wardens are provided with a telephone, an illuminated sign where this is necessary, and are paid a salary, the amount of which is at the discretion of the local district council. In those circumstances where the warden is non-resident, it is their duty to visit once each day and to direct the help of the appropriate agency where this is required. No physical help, other than in an emergency, is required of the warden.

Residential accommodation for the aged who are suitable for supervision under the wardens scheme has been provided in this area as follows :—

Conisbrough :	2 Wardens Bungalows—
	Shepherds Close Denaby Main.
	Coronation Cottages, Conisbrough.
	Flats—
	Marchgate, Conisbrough.
Dearne :	6 Wardens Bungalows—
	Chestnut Grove Thurnscoe.
	Low Grange, Thurnscoe.
	Market Square, Goldthorpe.
	King Street, Goldthorpe.
	Green Gate Close, Bolton-on-Dearne.

- Mexborough : 4 Wardens Bungalows—
 Oak Close, Mexborough.
 Crossgate, Mexborough.
 Montague Street,
 Mexborough.
 Highwoods Road,
 Mexborough.
- 2 Wardens Flats—
 Maple Leaf Court,
 Mexborough.
 Hallgate, Mexborough.
- Rawmarsh : 1 Warden Bungalows—
 Greenfield, Rawmarsh.
- Swinton : 6 Wardens Bungalows—
 Church Close, Swinton.
 Brameld Road Swinton.
 St. Mary's Crescent,
 Swinton.
 Russell Road, Kilnhurst.
- Wath-upon-Dearne: 6 Wardens Bungalows and Flats—
 Almond Place,
 Wath-upon-Dearne.
- Bungalows—
 Cemetery Road.
 Wath-upon-Dearne.
 Mount Pleasant Road,
 Wath-upon-Dearne.
 Coleridge Road,
 West Melton.
 Stokewell Road,
 West Melton.
 Tennyson Rise,
 West Melton.

The county council have now decided that the scheme should be extended to cover aged persons in need of the service not resident in council houses. An estimate of the additional number of wardens required has been submitted to the County Council and it is expected that the extension of the scheme in this manner will proceed during 1965. The scheme is intended to prevent the isolation of those old people whose own families are not able to visit them as often as is desirable. It is not intended in any way to relieve families of their responsibilities towards their aged parents, and indeed, it would be most undesirable if local councils proceeded in this way.

No wardens were appointed during 1965 for this purpose.

Meals on Wheels :

Meals on wheels services were in operation in all six county districts by the end of 1964. Under the provisions of the scheme meals are provided to people who are suffering from malnutrition or who are unable to cook their own meals due to disability and have no-one else to cook their meals for them. Containers for the service are provided by the County Council who also subsidize the meals to the extent of 1s. 6d. per head. The recipient is charged 1s. 0d. per meal.

Urban District	No. of Persons	Frequency	Total Meals
Conisbrough	60	Twice weekly	120
Dearne	48	Four days a week	192
Mexborough	60	Twice weekly	120
Rawmarsh	50	Twice weekly	100
Swinton	36	Twice weekly	72
Wath-on-Deane	42	Twice weekly	84
TOTALS	296		688

Health Education :

The health education programme in this division includes the teaching of mothercraft and general hygiene at almost all the secondary modern schools ; talks to parents of leavers and

entrants at the schools ; talks on home safety in many of the junior schools and to the aged. Further health education programmes were carried out at the Wath-upon-Dearne Mothers' Club and at young wives groups. Relaxation classes are especially valuable for the special teaching of expectant mothers. Health education is a routine part of the work at all infant welfare clinics.

A comprehensive course of lectures on the subjects of personal hygiene, mothercraft, the dangers of smoking and home safety has been given to school children in six secondary schools. At the same time the opportunity was taken to explain the work of the public health department and general nursing services. The children were introduced to midwives, home nurses and public health inspectors who have explained their various roles in the public health service.

Parents have also been invited to schools and clinics to see some of the films on personal hygiene before these were shown to their children. Discussions also took place with the parents on particular problems presented by their daughters and sons. The number of parents attending these sessions has varied with the locality. No specific talks have been given on venereal diseases during these courses.

Mothers' Clubs :

Three Mothers' Clubs continue to hold fortnightly meetings. Members of the health department and outside speakers presented talks or films on some aspect of health education on each occasion. A fourth Mothers' Club which was opened at Monkwood infant welfare centre during the summer months was not well attended.

Relaxation Clinics :

Midwives in all areas of this division hold regular relaxation classes weekly, and full use was made of films, film strips and other health education material.

Home Safety :

Rawmarsh, Conisbrough, and Wath-upon-Dearne Urban District Councils held full scale home safety programmes during which health visitors visited all schools in the areas and also talked to mothers' meetings and aged people.

The divisional medical officer or divisional nursing officer attended home safety meetings in the area.

To support our health education activities the following equipment is at our disposal :—

- two 35 m.m. film still projectors
- one 16 m.m. sound projector
- three screens
- various posters and leaflets.

Help has been given to the division by the deputy county nursing officer, Miss M. G. Edwards, whose particular concern is with health education.

DOMESTIC HELP SERVICE - SECTION 29

Establishment of domestic helps	...	...	81
No. of domestic helps employed at 31.12.65 part-time	...	...	174
(equivalent of 77.2 full time)			

Groups receiving assistance :—

				No. of cases	Hours
(1)	Maternity (including expectant mothers)	...	...	47	2,025
(2)	Chronic sick				
	(a) aged 65 plus	...	...	1,209	156,238
	(b) aged under 65 and tuberculosis	...	...	100	8,224
(3)	Others	...	...	38	2,162
				-----	-----
Totals				1,394	168,650
				-----	-----

The provision of domestic help is based on a medical certificate from the family doctor and may be provided for the ill, aged, mentally defective, or to care for young children in the absence of the mother in hospital. The service is also provided when required for expectant mothers before, during, and after confinement.

The home help service is not a free service, each applicant is required to complete a form giving details of their financial circumstances and the charge is assessed after consideration of these details. Persons in receipt of a Supplementary Pension from the National Assistance Board are not charged.

In exceptional circumstances, and where this is authorised by the Divisional Medical Officer and the County Medical Officer, a 24 hour service can be provided.

The demand for this service continued to rise during the year and the equivalent of two extra full time home helps were required.

MENTAL HEALTH SERVICE

Subnormal or Severely Subnormal :

Number under care and guidance	...	...	501
Number of ascertainments	...	...	13
Number attending training centre	...	...	123

Mentally Ill :

Number discharged from psychiatric hospital	...	197
Number requiring after-care	...	509
Number of visits involved for after-care and patients referred from out-patient clinics	...	3,173
Number of cases referred to out-patients psychiatric clinics	...	102
Number referred to rehabilitation centres	...	22
Number referred to Youth Employment Office under 17 years of age	...	9
Number of domiciliary consultations	...	216

Out-patients Clinics :

Monday, Wednesday

Barnsley Beckett Hospital

Consultant, Dr. M. Jeffrey.

Mrs. F. H. Redman attends.

Average attendances each year 456

Monday, Thursday

Mexborough Montagu Hospital

Consultant, Dr. N. L. Gittleson.

Mr. R. N. Halliday attends.

Average attendance each year 330

Friday

Doncaster Royal Infirmary

Consultant, Dr. M. Jeffrey.

Miss Bailey attends for training purposes.

Average attendance each year 480

Mentally subnormal patients not attending training centre :

Males	23 working full-time, 1 part-time.
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Females	18 working full-time, 2 part-time.
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Males occupied at home	...	11
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Females occupied at home	...	17
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New patients at the out-patients clinics are first seen by the mental welfare officer ; a full social history is obtained before the patient is examined by the consultant psychiatrist. Follow up visits are made by the mental welfare officer at the request of the consultant. The mental welfare officers accompany the psychiatrist on domiciliary consultations to review the patient's social background. The number of visits to patients has continued to increase during 1965.

The Psychiatric Social Club—"The Rock Club"—established in 1961 continues to flourish. The aim of the club is to meet the needs of the mentally ill who are able to attend the club on their own initiative. The patients are referred from

out-patient clinics when the club is considered to be of therapeutic value both clinically and socially. The work of the club provides a good example of inexpensive yet invaluable local health and hospital liaison.

The club comprises 62 members who meet in the evening. It has been successful in its aims to lessen hospital admissions in certain cases, to educate families and friends to the needs of such patients and to rehabilitate the patient. A further venture during the year has been the establishment of evening sewing classes for patients and expatients with the invaluable help of the Rockingham Institute of Further Education. These classes are at the moment in their infancy and are suitable for ladies only. but there is no doubt that this is an important step forward in the rehabilitation and treatment of the mentally ill.

The need for community care of the mentally disordered so clearly stated in 1959 Act is now an accepted principle of the treatment of the mentally ill. The primary aims of any community care service must be the return of the patient to his own home in the shortest possible time, and to achieve this, any psychiatric programme must maintain a collaborative relationship with all local organisations, educational, social welfare, public health, religious and recreational.

Increasing attention is now being given in the provision of day centres for short term patients. Twenty-seven patients attended the Yews Day Hospital, Sheffield, and after treatment return home each evening. The Consultant Psychiatrists Doctors M. Jeffrey, N. L. Gittleson and J. Kerry have given the most invaluable help during the year. Early diagnosis and treatment by psychiatrists has reduced the number of patients who would otherwise require treatment as inpatients.

The provision of an efficient aftercare service requires an expenditure of much time and effort. Such a service involves supervision of domiciliary medical treatment, rehabilitation and effective training for re-employment, satisfactory re-employment for psychiatric cases and suitable employment for the mentally subnormal outside the training centres is an obvious need and in this respect the fullest use is made of the service of the Ministry of Labour, Youth Employment Officers and Disablement Resettlement Officers. A problem to all mental health authorities is the most suitable care for senile confused patients. It is an only too frequent experience that these old people are considered neither suitable for admission to geriatric nor psychiatric unit. In general however, they are more suitably placed in a general hospital providing specialised care for old people.

All of us who work in the mental health service appreciate that the service has not yet had time to develop. The Mental Health Act is a mere six years old and many purely administrative difficulties remain to be overcome. The most suitable form of training for mental welfare officers still remains to be determined since their duties have become wider and more technical following the implementation of the Mental Health Act 1959. Progress, however, continues to be made.

I am indebted to Dr. Gittleson for the following report:—

“It is with pleasure and satisfaction that I am reviewing another year of continuous and happy co-operation between the Mental Welfare Services of the National Health Service and of the Local Authority. Last year I commented on the increased need for co-operation and co-ordination between the various Authorities so that our joint efforts would harmonise and avoid duplication. This happy state has prevailed in the past year.

In the geriatric field there is still heavy pressure on all facilities and this, of course, is an increasing national as well as our local problem. However, it has been possible to deal with many psychogeriatric problems in the community and avoid admission to mental hospital. This has been due in no small measure to the increasing use of Local Authority services such as Social Care and Welfare Agencies, Home Help, Health Visitors and of course, the ever present Mental Welfare Officers”.

Training Centres :

The Care Unit is now fully established and is proving its value. Thirteen patients are at present in the unit staffed by one assistant supervisor and one general purposes assistant. The majority of these patients require assistance with washing, dressing and feeding and are both physically and mentally handicapped. A special mini-bus fitted with safety straps is used to convey these patients to the centre.

Fifty-eight juniors attend the training centre and fiftysix adults male and female attend the work shop sections. The numbers admitted continued to increase during the year. Adult trainees are engaged on contract work for the West Riding County Supplies Department and the standard of work produced is very high. Incentive payments are made to the trainees.

2,500 meals were prepared and served during the year in the kitchen completed in 1964. Open Day was held in June when parents and friends were invited. These visits are of the greatest value in that they show the public the work performed at the centre and the results produced.

The Parent Teachers Association meets frequently for social evenings attended by the adult trainees as well as parents, teachers and friends. The annual trip this year was to Bridlington and proved most enjoyable and successful. The usual Christmas parties for juniors and seniors was held and we are indebted to Mr. and Mrs. Oldroyd for the gift of a large Christmas tree.

The County Council held regular series of in-service courses for the staff at Grantley Hall.

Industrial Work :

Completed at the Training Centre :—

Industrial Job No.	1. Firewood (sacks)	...	1,269
" " "	4. Clay modelling boards	...	1,500
" " "	7. Curtains (school)	...	12
" " "	17. Dolls Cots	... ..	38
" " "	26. P.E. Blocks 9"	...	284
" " "	35. Workholder Cases	...	3,140
" " "	37. Clothes Horses 5 ft.		
	3 fold	... ..	38
" " "	37. Clothes Horses 3 ft.		
	2 fold	... ..	45

Industrial Job No. 58.	Playhouse Screens	...	18
„ „ „ 58.	Renovated Playhouse Screens	... ..	7
„ „ „ 73.	First-Aid Boxes	...	37
„ „ „ 75.	Wooden Hollow blocks 12" x 12" x 8"	... ..	168
„ „ „ 75.	Wooden Hollow blocks 12" x 12" x 12"	... ..	60
„ „ „ 76.	Clothes Props 9' x 1 $\frac{3}{4}$ " x 1 $\frac{1}{8}$"	... ..	48
„ „ „ 81.	Corner Flags	... ..	630
„ „ „ 87.	Christmas Crackers (boxes)	... ..	53
„ „ „ 91.	Feeders	... ..	369
„ „ „ 96.	Dolls Clothes Horses	...	108
„ „ „ 105.	Padder Type Bats	...	100
„ „ „ 110.	Clothes Posts and Bases		12

The total amount credited to the centre for the work was £1,146 6s. 0d. The trainees also carried out laundry work for the centre and for the divisional office and helped in the maintenance of the grounds at the centre.

SCHOOL HEALTH SERVICE

The staffing position in the school health service during 1965 has been satisfactory. It has not been possible, however, to obtain the services of a speech therapist and this is a general shortage throughout the West Riding.

The policy of attachment of health visitors to individual or groups of family doctors rather than to areas has produced minor problems for the school health service. Some health

visitors feel that their background information is no longer complete. This problem, however, should lessen with the passage of time.

The National Health Service Act of 1946 made it a statutory duty of local health authorities to provide free vaccination against smallpox, and immunisation against diphtheria. In 1962 the duty was extended to include poliomyelitis, whooping cough, tuberculosis and tetanus and that some progress in persuading the public to accept these measures has been made is shown by the doubling in cost of the service in the seven years between 1949 and 1956. However, it is clear that the public require the stimulus of an outbreak before satisfactory levels of immunity can be reached, and this has been illustrated in recent years by the smallpox epidemic in Bradford in 1962 and the outbreak of Poliomyelitis in Blackburn in 1965 ; on both occasions local health authorities were inundated with requests for protection.

Public pressure during an outbreak can in fact influence a medical officer of health to carry out emergency procedures which may in fact have no effect on the spread of the particular disease. In general, however, in this area we have not been subjected to these pressures and the general public have remained relatively calm. The 1965 poliomyelitis epidemic, however, reminded us that without a satisfactory immune state, poliomyelitis epidemics might recur, and it was therefore decided to carry out a vaccination programme involving every school child in this area. Sabin who developed the oral poliomyelitis vaccine has always maintained that the disease would disappear if all children were given three doses of this type of vaccine.

It was agreed with the Divisional Education Officer that the schools should prepare an up to date nominal roll of all their children and that this nominal roll should be sent directly to us.

Explanatory letters with a consent form attached for the parents, was sent to the schools, who were asked to check each consent form on its return by the child following parental signature.

Of the 20,475 consent forms sent out 90 parents refused consent and 1,262 forms were not returned—an acceptance rate of 93.4%. The health visitors gave one dose of Sabin vaccine to every child in receipt of a signed consent form. All children whose last dose of oral vaccine was more than one year ago were included in the scheme, and all children who had previously received three doses of Salk were given a booster dose of Sabin vaccine. 2,684 children received their primary course of three doses.

After the health visitor had completed the vaccinations the consent forms were returned to the divisional health office for checking against the nominal rolls to identify absentees and for the completion of records.

Those parents who have refused vaccination and those cases in which consent forms were not returned to the schools, are now being re-invited in the same way as before and the schools are being asked to keep a very special check on non-returned consent forms. In this way I should attain a school population, the overwhelming proportion of whom are immune to poliomyelitis. If Sabin is correct, this should be sufficient to ensure a satisfactory herd immunity in my area.

The same rigorous checks will be applied to all new school entrants to maintain a school population with an immunity approaching 100%. In this way it should be possible to achieve in time a local population, the majority of whom are immune to poliomyelitis, without the insuperable difficulties which accompany any attempt to vaccinate en masse a whole population.

Any mass vaccination scheme is however laborious and my office staff and health visitors—particularly the former—have been fully employed.

Examination of the figures reveals the following two points of interest

1. The differing acceptance rates (in some cases widely) between otherwise apparently homogeneous populations.
2. The opportunity afforded by such an exercise of determining the actual immune state of a division as far as its school population is concerned, before and after—93·4% at this date as compared with 82·5% previously.

I would add that the whole programme has been carried out without alarm to the general public, and without any press publicity :—

Table I

Inspection of School Children 1965 :

Entrants	...	...	...	...	...	...	1,693
First Year Secondary			...	...	...	...	1,751
Last Year Secondary			...	...	...	...	2,201
Total							5,645
<hr/>							
No. of Special Inspections			...	...	...	...	1,498
No. of Re-inspections			...	...	...	...	23
Total							1,521
<hr/>							
Total Inspection							7,166
<hr/>							

Physical Condition of Pupils Inspected :

Satisfactory	...	...	...	...	99.5
Found to require treatment	...	...	...	...	6.1%

The percentage requiring treatment is lower than the national average and is satisfactory.

The percentage of pupils found to be satisfactory on examination reflects the prosperous nutritional state of this country as a whole.

Table II

Cleanliness and Head Infestation :

Total No. examinations made for this purpose	...	19,616
Total No. found infested	...	719
Total percentage found infested	...	3.6%
(England and Wales 1.5% ; West Riding 2%)		

Table III

Care of Handicapped Children :

Milton Day School—E.S.N.	...	100
Residential School—E.S.N.	...	2
Residential School—Deaf or Partially Deaf	...	14
Residential School—Deaf E.S.N.	...	2
Residential School—Blind	...	5
Residential School—Partially Sighted	...	1
Residential School—Delicate	...	7
Residential School—Cerebral Palsy	...	10
Residential School—Physically Handicapped excluding Cerebral Palsy		6
Residential School—Epileptic	...	—
Residential School—Maladjusted	...	6
Total		153

The number of handicapped children at special schools remains at a constant level.

Table IV

B.C.G. vaccination 13 years and older school children :					
No. of children offered testing and vaccination if necessary	...	...	...	...	2,164
No. of acceptances	...	...	...	...	1,715
Percentage of acceptance	...	...	...	...	79.27%
Pre-vaccination Tuberculin Test					
No. Tested	...	...	...	...	1,533
Result of Test					
No. Positive	...	...	...	...	416
No. Negative	...	...	...	...	1,025
No. Not ascertained	...	...	...	...	92
Percentage Positive	...	...	...	...	37.24%
No. Vaccinated	...	...	...	...	1,020

Table V

Audiometry :

No. tested	...	...	...	...	1,024
No. with no loss	...	...	...	...	847
No. referred to School Audiology Clinic	...	...	...	...	177

The Consultant Paediatrician, Dr. C. C. Harvey, is available for consultation and sees cases referred by both the school health service and the family doctors, and I am most grateful for his help during the year. Dr. J. D. Orme is Consultant in charge of the Child Guidance Clinic and his help is invaluable. The division is also fortunate in having the services of Miss M. A. C. Jones, Consultant Ophthalmologist and Dr. S. K. Bannerjee, to whom all visual defects are referred. I am grateful also to the school medical officers both whole and part-time for the performance of their duties during the year.

HOSPITAL SERVICES

The hospital services for the area are administered by the United Sheffield Hospitals, Sheffield Regional Hospital Board, with the following hospital management committees ; Sheffield No's 1, 2 and 3, Rotherham, Barnsley and Doncaster.

General hospital services :

Sheffield Royal Hospital
Sheffield Royal Infirmary
Sheffield City General Hospital
Rotherham Moorgate and Doncaster Gate Hospitals
Barnsley Beckett and St. Helen Hospitals
Doncaster Royal Infirmary
Mexborough Montagu Hospital

Infectious Diseases hospital services :

Kendray Isolation Hospital
Doncaster Tickhill Road Hospital
Sheffield Lodge Moor Hospital

Maternity hospital services :

Sheffield Jessop Hospital
Rotherham Moorgate Hospital
Mexborough Montagu Hospital
Barnsley St. Helen Hospital
Listerdale Maternity Home

Chest Clinics :

Mexborough Chest Clinic—Dr. J. D. Stevens
Rotherham Chest Clinic—Dr. A. C. Morrison

Laboratory Services :

Bacteriological examinations are carried out at the Public Health Laboratories at Wakefield (Director: Dr. L. A. Little) and at Sheffield (Director: Dr. E. H. Gillespie).

(Sections "C" "D" "E" and "F" of this report have been compiled by Mr. W. W. Wilkinson, Chief Public Health Inspector).

SECTION "C"

General Environmental Circumstances of the Area

Inspection of the District

During the year the following inspections were made:—

Nature of Inspections				No. of inspections made
Houses for structural defects	...	...	...	329
Premises re Nuisances—				
Drainage and sanitary conveniences	...	...	...	159
Dustbins	...	...	...	64
Offensive accumulations	...	...	...	37
Paving of yards and passages	...	...	...	10
Vermin and insect pests	...	...	...	34
Filthy premises	...	...	...	18
Keeping of animal nuisances	...	...	...	5
Noise nuisances	...	...	...	10
Compulsory improvement of dwellings	...	...	...	82
Miscellaneous housing visits	...	...	...	124
Observations and visits re smoke nuisances	...	...	...	7
Air pollution—visits re measurement of	...	...	...	16
Smoke control areas visits	...	...	...	199
Visits re refuse collection	...	...	...	10
Visits re refuse disposal	...	...	...	13
Food shops	...	...	...	21
Food hawkers	...	...	...	2
Canteens and food preparing premises	...	...	...	8
Slaughterhouses	...	...	...	12
Meat inspection visits	...	...	...	319
Factories and workplaces	...	...	...	7
Tents, vans and sheds	...	...	...	23
Rats and mice inspections	...	...	...	9
Visits re water supply	...	...	...	10
Public swimming baths	...	...	...	1
Visits re infectious diseases	...	...	...	9
Visits to hairdressers	...	...	...	7
Offices, shops and railway premises	...	...	...	25
Miscellaneous sanitary visits	...	...	...	14
Miscellaneous food visits	...	...	...	1
Scrap metal dealers	...	...	...	4
Total				1,589

Complaints received

343 complaints were received during the year, showing a decrease of 3 from last year. The complaints have been classified as follows:—

Nature of Complaint						Number received
General housing defects	...	...	...	...	...	41
Choked drains	...	...	...	...	...	104
Leaking and defective drains	...	...	...	...	...	8
Defective sanitary conveniences	...	...	...	...	...	3
Accumulations of refuse	...	...	...	...	...	23
Delay in emptying dustbins	...	...	...	...	...	41
Dilapidated dustbins	...	...	...	...	...	10
Infestation of rodents (rats, mice and rabbits)	...	...	...	...	...	49
Insect pests	...	...	...	...	...	20
Burst water pipes	...	...	...	...	...	6
Nuisance from flooding	...	...	...	...	...	3
Smoke nuisances	...	...	...	...	...	4
Noise nuisance	...	...	...	...	...	3
Smell nuisance	...	...	...	...	...	8
Itinerant caravan dwellers	...	...	...	...	...	1
Miscellaneous	...	...	...	...	...	19
						<hr/> 343

Particulars of notices served under the Public Health Acts and the West Riding County Council (General Powers) Act 1951.

Number of written informal notices served during the year requiring nuisances and housing defects to be remedied	...	...	...	...	...	127
Number complied with	...	...	...	...	...	83*
Number of verbal intimations given	...	...	...	...	...	68
Number complied with	...	...	...	...	...	58*
Number of statutory notices served re nuisances (excluding house repairs)	...	...	...	...	...	17
Number complied with by owner or occupier	...	...	...	...	...	4
Number of statutory notices served requiring housing defects to be remedied	...	...	...	...	...	6
Number complied with by owner	...	...	...	...	...	3*
Number of notices where work executed by local authority in default of owner (to remedy housing defects and other nuisances)	...	...	...	...	...	12*
Number of notices where works executed by owner after institution of legal proceedings	...	...	...	...	...	Nil

*includes notices served prior to 1965, but complied with in 1965.

The statutory notices served during the year include notices served under the powers contained in the Public Health Act 1936, sections 24 (maintenance of sewers), 39 (maintenance of drains), 45 (repair of defective waterclosets), 56 (paving and draining of yards), 75 (renewal of worn out

dustbins), 93 (abatement of nuisances), and under the Public Health Act 1961, section 17 (cleansing of choked drains), 34 (intention to remove accumulations of rubbish).

Nature of defects Remedied under Public Health Acts

Choked drains cleansed	59
Drains reconstructed or repaired	11
Watercloset structures repaired	3
Watercloset fittings repaired or renewed	6
Dustbins renewed	26
Accumulations removed	11
Insect infestations cleared	1
Rodent infestations cleared	108
Chimney stacks repaired	3
Roofs repaired	8
Eaves gutters and fallpipes repaired or renewed	17
Walls re-pointed	5
Wall and ceiling plaster repaired	30
Window frames, doors and door frames repaired	14
Fireplaces repaired or renewed	8
Smoke nuisances abated	1
Burst water supply pipes repaired	7
Sinks renewed	1
Sink waste pipes renewed	2
Fractured walls repaired	3
Floors repaired	7
Yards and passages paved	2
Miscellaneous defects remedied	23

Sanitary Accommodation

The following table shows the number of dwelling houses and other buildings in the five wards of the District and the sanitary accommodation provided thereat:—

Wards	Dwelling Houses	Dwelling Houses with Shops (incl. in Col. 1)	Shops and Factories	Miscellaneous Buildings	Privies	Water Closets	Dustbins	Cesspools	Slop Closets	Chemical Closets
Central	1607	47	52	40	1	2394	1659	4	1	7
East	715	53	17	15	5	912	730	5	—	4
Wharnccliffe	1020	26	31	16	—	1197	1091	1	—	—
Winterwell	629	42	26	15	—	781	669	—	—	—
Melton	1310	27	27	18	—	1460	1329	1	1	—
Totals	5281	195	153	104	6	6744	5478	11	2	11

Drainage and Sewerage

Six houses in the District are not drained to a public sewer because a sewer is not available within a reasonable distance.

A number of complaints were received concerning the flooding with sewage of low lying land which occurred during periods of heavy rain.

From time to time some alteration in the efficiency with which certain drains and sewers function is noticeable, and alterations in ground levels arising from mining subsidence appears to be the cause.

Caravans

One site in the District is licensed for the accommodation of six caravans which are for the use of families temporarily displaced from their houses because of mining subsidence damage. There are no other licensed sites and only very rarely was any request received for a site for a residential caravan. Occasionally, itinerant caravan dwellers, who were mostly engaged on scrap metal collection, stationed their caravans and other vehicles on unfenced land. Complaints concerning them were usually received at the office soon after their arrival, and the usual and expected efforts of persuading them to move on as quickly as possible were undertaken. One or two sites, previously used by the itinerant caravan dwellers have been rendered unavailable to them by development, or fencing the land, and so less trouble was experienced in 1965 than in previous years.

Noise Nuisances

Increasing attention has been required in connection with nuisances from noise. Checks have been made on the operation of vehicle hooters and loud speaker chimes in connection with trading vehicles used in the streets, and action taken where necessary. Fortunately, the District is not one of those where industrial premises and residential property are closely intermixed, and complaints of noise and vibration from such sources are not therefore frequent. They do arise from time to time, however, and serve to indicate the need for control and for preventing use of premises in residential areas for trade or business which may give rise to complaints.

Pest Control

As in previous years, steps were taken to deal with bee swarms, wasps nests, infestations by cockroaches, earwigs, woodworm, etc., when complaints were received from occupiers of premises.

For the extermination of rats and mice, treatment of dwelling houses, treatment of allotments and small business premises is carried out free of charge. During the year, the Council also authorise free treatment of agricultural premises where the occupiers are willing to co-operate by taking action to reduce the possibility of re-infestation.

Most of the infestations dealt with were small infestations, and so far as rats were concerned were mainly outside buildings in gardens, dyke banks, hedgerows, tips, sewage works, etc. Difficulty in harvesting crops on some agricultural land through bad weather conditions appeared to give rise to the build-up of rat populations in one or two instances.

The public sewers were test-baited to ascertain the degree of rat infestation, and treatment of infested parts of the sewerage system carried out. The sewers do not appear to carry a very large rat population but more trouble is experienced at the sewage works from time to time. The construction and maintenance of sewage works to reduce the degree of rat infestation would be a useful contribution to the efforts made in rodent control.

Agricultural land, particularly that under cereal crops, and the farm premises in the District, seem to be the main reservoirs from which infestations around dwelling houses occur.

The following table gives particulars of the numbers of premises dealt with:—

Type of premises	RATS Number of premises:			MICE Number of premises:		
	In-spected	Found to be infested	Treated by L.A.	In-spected	Found to be infested	Treated by L.A.
Dwelling house premises	99	63	63	8	8	8
Local Authority premises	12	11	11	4	4	4
Business premises	19	19	19	3	3	3
Totals	130	93	93	15	15	15

Hairdressers Premises

17 hairdressers and their business premises are registered with the Council in accordance with the provisions of the West Riding County Council (General Powers) Act, 1951. The standard of equipment has greatly improved since registration was first required.

Factories Act 1961

Seven inspections of factory premises were made during the year and the table below gives particulars of the inspections and the action taken.

There are no outworkers employed in the District.

1. Inspections for purposes of provisions as to health

Premises (1)	No. on Register (2)	Number of		
		Inspections (3)	Written Notices (4)	Occupiers Prosecuted (5)
(1) Factories in which Secs. 1 2, 3, 4 and 6 are to be enforced by local authorities	3	2	—	—
(2) Factories not included in (1) in which Section 7 is enforced by the local authority	50	5	2	—
(3) Other premises in which Section 7 is enforced by the local authority. (Excluding outworkers premises)	4	—	—	—
TOTAL	57	7	2	—

2. Cases in which defects were found

Particulars (1)	Number of cases in which defects were found				No. of cases in which prosecutions were instituted (6)
	Found (2)	Re-medied (3)	Referred to H.M. Inspector (4)	Referred by H.M. Inspector (5)	
Want of cleanliness (S.1)	—	—	—	—	—
Overcrowding (S.2)	—	—	—	—	—
Unreasonable Temperature (S.3)	—	—	—	—	—
Inadequate Ventilation (S.4)	—	—	—	—	—
Ineffective drainage of floors (S.6)	—	—	—	—	—
Sanitary Conveniences (S.7)					
(a) Insufficient	—	—	—	—	—
(b) Unsuitable or defective	3	3	—	1	—
(c) Not separate for sexes	—	—	—	—	—
Other offences against the Act (not including offences relating to outwork)	—	—	—	—	—
Total	3	3	—	1	—

Offices, Shops and Railways Premises Act, 1963

Particulars included in the annual report for 1965, submitted to the Minister of Labour in accordance with section 60 of the Act, are given below.

TABLE A. Registration and General Inspections.

Class of premises	Number of premises registered during the year.	Total number of registered premises at end of year.	Number of registered premises receiving a general inspection during the year.
(1)	(2)	(3)	(4)
Offices	2	25	4
Retail shops	3	55	3
Wholesale shops, warehouses	—	2	—
Catering establishments open to the public, canteens.	8	10	—
Fuel storage depots	—	—	—
Totals	13	92	7

Table B—Number of visits of all kinds by inspectors to registered premises 26

Table C

Analysis of persons employed in registered premises by workplace	Class of Workplace	Number of persons employed
	(1)	(2)
	Offices	395
	Retail shops	179
	Wholesale departments, warehouses	4
	Catering establishments open to the public ...	35
	Canteens	6
	Fuel storage depots ...	—
	Total	619
	Total males ...	284
	Total females ...	335

Table D—No exemptions were current at 31st December, 1965. No exemptions were granted, extended, refused or withdrawn during the year.

Table E—No prosecutions were instituted during the year.

Atmospheric Pollution—Smoke Control

The Wath-upon-Dearne No. 2 Smoke Control Order came into operation on the 1st July 1964, but it was necessary to continue efforts throughout 1965 in connection with the adaptation or replacement of appliances for the burning of smokeless fuels. Statutory notices requiring adaptation or replacement of appliances were issued where necessary and warning letters sent to occupiers of all premises in the Area calling their attention to the requirements of the Smoke Control Order. From the inspection of premises and observation of the area generally, it was obvious that not until the close of the year was smoke control in No. 2 Area becoming reasonably effective.

Atmospheric Pollution Measurement

Measurement of atmospheric pollution with the use of five lead dioxide gauges and one deposit gauge, has been carried out for the past $7\frac{1}{2}$ years.

The following tables set out the information which was given in the monthly reports supplied by the Public Analyst.

Lead Dioxide Gauges

Month	Mg. of SO ₃ /day collected by 100 sq. cms. of batch A PbO ₂ at:—					Pre-vailing winds
	Wath Wood Reservoir	Park Lane	Sewage Works	Strathmore	Farfield Lane	
January	3.48	3.95	3.26	1.66	3.58	WN
February	3.57	3.61	2.43	1.75	3.51	NNW
March	3.29	4.23	3.03	1.69	2.79	SE
April	2.33	3.00	2.09	1.33	2.69	WN
May	1.93	2.32	1.79	0.76	2.36	SE
June	1.68	3.08	1.36	0.97	2.08	SE
July	0.69	1.60	1.31	0.83	1.46	NE
August	1.48	1.84	1.42	0.93	1.13	SE
September	2.02	2.32	1.70	1.13	1.84	SW
October	2.35	3.82	2.27	1.19	2.04	SE
November	2.95	2.09	3.15	1.98	2.89	NW
December.....	3.58	3.13	3.02	2.10	3.10	SE
Totals	29.35	34.99	26.92	16.32	29.47	—
Monthly Average	2.45	2.92	2.24	1.36	2.46	—

Deposit Gauge

1965 Month	Period of exposure in days	Monthly rain deposit in inches	Total water insoluble matter in tons/sq. mile	Total water soluble matter in tons/sq. mile	Total solids in tons per sq. mile	Prevail- ing winds
January	29	2·13	2·97	7·67	10·64	WN
February	32	0·51	2·03	3·60	5·64	NNW
March	29	2·48	9·04	6·74	15·77	SE
April	30	1·22	4·70	4·47	9·17	WN
May	31	1·73	18·67	5·40	24·08	SE
June	31	2·60	19·07	5·97	15·04	SE
July	29	2·56	16·64	5·80	22·44	NE
August*	—	—	—	—	—	SE
September*	—	—	—	—	—	SW
October*	—	—	—	—	—	SE
November*	—	—	—	—	—	NW
December.....	31	3·70	4·11	5·27	9·38	SE
Totals	242	16·93	67·23	44·92	112·16	—
Monthly Average	30	2·12	8·40	5·62	14·02	—

*No readings were obtained during the months of August, September, October and November due to the gauge bowl being broken by vandals.

Lead Dioxide Gauges

Average Readings 1958—65

The monthly figures for the lead dioxide gauges were averaged for the six summer months and the six winter months

over the 7½ years during which the gauges have been in operation, and the results are as follows:—

Mgs. of S03 per day collected by 100 sq. cm. of Batch A Pb 02

Year	Sites of Lead Dioxide Gauges					
	“Wath Wood		“Park Lane ”		“Strathmore”	
	Winter	Summer	Winter	Summer	Winter	Summer
1958	4.70	2.05	3.50	2.20	2.30	1.20
1959	4.25	2.15	3.65	2.45	2.25	1.55
1960	3.90	2.20	3.25	2.40	2.15	1.15
1961	3.95	2.10	3.35	2.35	2.05	1.15
1962	4.05	1.95	3.65	2.05	2.30	1.05
1963	3.85	1.90	3.90	3.05	2.15	1.05
1964	3.25	1.90	4.10	2.20	1.60	1.10
1965	3.15	1.70	3.50	2.40	1.70	1.00

The figures are interpreted as indicating that the residential area around Wath Wood Reservoir and the Central Area around Strathmore are benefiting from the general National trend in the reduction of air pollution, and from the reduction of smoke pollution in our own smoke control areas but that in the industrial zone near Park Lane, the degree of pollution is stationary or shows a slight increase.

Industrial pollution in the District arises mainly from the coke oven works and co-operation with the District Inspector under the Alkali etc. Works Regulations Act has been maintained during the year with a view to keeping the pollution from those works at the minimum practicable.

Informal action has been taken under the West Riding County Council (General Powers) Act 1964, respecting the emission of dark smoke from industrial works. These emissions have occurred at works where recovery of scrap from cable burning and from the dismantling of vehicles, burning tyres etc., is carried on.

Registration of Scrap Metal Dealers

Eleven persons applied for registration as scrap metal dealers but only six persons were registered. Four places in the District are in use as scrap metal stores.

Water Supply

The public water supply for the Urban District is provided by Sheffield Corporation Waterworks. The water supply was satisfactory in quality and adequate in quantity throughout the year. All the houses in the District have a piped supply of water from the public mains. In a number of instances the supply to the houses was insufficient because of deposits in the supply pipes or of inadequacy of the service pipe supplying a number of properties.

The following information has kindly been supplied by the General Manager and Engineer of the Waterworks:—

1. Nature and Origin of Water Supply

Yorkshire Derwent. River derived, lime-soda softened, filtered and chlorinated.

2. Natural Fluoride Content

0.1 p.p.m. F.

3. Number of Samples of Water Examined

Chemical		Plumbo-Solvency		Bacteriological	
Satisfactory	Unsatisfactory	Satisfactory	Unsatisfactory (lead greater than 0.1 p.p.m.)	Satisfactory	Unsatisfactory
214	Nil	25	Nil	213	1

Public Swimming Baths

Samples of water from the public swimming bath were taken on 2 occasions during the year and submitted to the Public Health Laboratory for examination.

Sample Number	Probable number of coliform bacilli McConkey 2 days 37° C.	Free chlorine in 1,000,000 parts of water
144	0 per 100 ml.	—
145	0 per 100 ml.	—
146	—	0.3
147	0 per 100 ml.	—
148	0 per 100 ml.	—
149	—	0.3
150	—	0.3

SECTION "D"

HOUSING

During the year an estimate was made of the total number of houses which, according to present standards, are so unfit as to need replacement by new dwellings, and 582 houses were considered to be in that category. Progress in slum clearance is made only slowly and, together with housing repairs and improvements, is I think, not keeping pace with public demand.

A postal survey was made of all the houses in a proposed improvement area under the provisions of the Housing Act 1964, and this was followed by the inspection of a limited number of the dwellings and the submission of a report to the Public Health Committee, but no further action was possible during the year.

Temporary re-housing of families from houses seriously damaged by mining subsidence continued during the year as required to enable the damaged houses to be thoroughly repaired. Speaking generally, where the damaged houses were vacated to enable repairs to be carried out, the repair work was of a higher standard and the houses were put into good condition.

Housing Statistics are as follows:—

1. No. of dwelling Houses in District ...	...	...	5281
2. No. of houses included in above			
	(a) Back-to-back	...	4
	(b) Single back	...	5
3. Slum Clearance			
Estimated number of unfit houses at 31.12.65 in			
respect of which no representation has yet been			
made	...	...	538

Details of future slum clearance programmes—

Clearance of 324 houses over period of next 6 years.

4. Houses in Clearance Areas and Unfit Houses elsewhere

No. of houses included in Representations made during the year

(a) In Clearance Areas ... Nil

(b) Individual unfit houses ... 47

A.	HOUSES DEMOLISHED during the year	IN CLEARANCE AREAS Declared under Sec. 42 of Housing Act 1957		
		Number of Houses Demolished	Unfit for human habitation Included by reason of bad arrangement. On land acquired under Section 43 (2) Housing Act, 1957	
		Persons Displaced during year	From houses unfit for human habitation From houses included by reason of bad arrangement From houses on land acquired under Section 43 (2) Housing Act 1957.....	
		Families Displaced during year	From houses unfit for human habitation From houses included by reason of bad arrangement From houses on land acquired under Section 43 (2) Housing Act 1957	
	NOT IN CLEARANCE AREAS	Number of Houses Demolished	As a result of formal or informal procedure under Section 16 or Section 17 (1) Housing Act, 1957 Local Authority owned houses certified unfit by the M.O.H. Houses unfit for human habitation where action has been taken under Local Acts Houses included in unfitness orders made under para. 2 of 2nd Sched. to the Town and Country Planning Act 1959.....	25 — — —
			From houses to be demolished as a result of formal or informal procedure under Section 16 or Section 17 (1) Housing Act, 1957 From local Auth. owned houses certified unfit by the M.O.H. From houses unfit for human habitation where action has been taken under local Acts. From houses included in unfitness orders	52 25 — —
			From houses to be demolished as a result of formal or informal procedure under Section 16 or 17 (1) Housing Act, 1957 From local Auth. owned houses certified unfit by the M.O.H. From houses unfit for human habitation where action has been taken under local Acts. From houses included in unfitness orders	22 7 — —
		Number of dwellings included above which were previously reported as closed.		—

B.	UNFIT HOUSES CLOSED during the year in pursuance of closing orders or undertakings			Number of Houses	Under Sections 16 (4), 17 (1) and 35 (1) Housing Act 1957, and Section 26 Housing Act, 1961..... Under Sections 17 (3) and 26 Housing Act, 1957	— —
				Persons Displaced during year	From houses to be closed:— Under Sections 16 (4), 17 (1) and 35 (1) Housing Act, 1957 and Section 26 Housing Act, 1961 Under Sections 17(3) and 26, Housing Act, 1957	— —
				Families Displaced during year	From houses to be closed:— Under Sections 16 (4), 17 (1) and 35 (1) Housing Act, 1957, and Section 26 Housing Act, 1961	— —
				PARTS OF BUILDINGS CLOSED under Section 18 Housing Act, 1957:—		
				Number of Houses		
C.	Unfit houses made fit and houses in which defects were remedied			After informal action by local authority:By owner		39
				After formal notice under Public Health Acts:		
				(a) By owner		4
				(b) By local authority		3
				After formal notice under Sections 9 and 16 Housing Act, 1957:		
D.	Unfit Houses in Temporary Use (Housing Act, 1957)			(a) by owner		—
				(b) by local authority		—
				Under Section 24, Housing Act 1957: by owner		—
E.	Purchase of Houses by Agreement			POSITION AT END OF YEAR	Under Section 48:No. of houses	—
					No. of separate dwellings contained therein	—
					Under Section 17 (2) No. of houses	—
					No. of separate dwellings contained therein	—
				Under Section 46: No. of houses		
					No. of separate dwellings contained therein	—
						—
						—
						—
				Licensed for temporary accommodation under Section 34 or 53		
					No. of houses ..	—
						—
						—
						—
				Houses in clearance areas other than those included in confirmed orders or compulsory purchase orders:		
					No. of houses ...	—
					No. of occupants ..	—
						—
						—

5. No. of families rehoused during the year into Council owned dwellings
- | | | | | |
|--------------------------|-----|-----|-----|-----|
| (a) Clearance Areas etc. | ... | ... | ... | 28 |
| (b) Overcrowding | ... | ... | ... | Nil |

6. Rent Act, 1957
- | | | |
|---|-----|-----|
| (a) No. of certificates of disrepair granted | ... | Nil |
| (b) No. of undertakings to execute repairs given by owners to local authority | ... | Nil |
| (c) No. of certificates of disrepair cancelled | ... | Nil |

7. Overcrowding

There is little, if any, serious overcrowding of dwellings in the area. It is often found however, that in the case of larger families the sleeping accommodation is not really adequate because bedrooms are of inadequate size.

8. New Dwellings

No. of new dwellings completed during the year:—

By Local Authority	...	...	...	70
By Private Enterprise	...	...	...	21

9. Grants for Conversion or Improvement of Housing Accommodation.

	Formal applications received during the year	Applications approved during the year	Number of dwellings completed during the year
	Number of dwellings	Number of dwellings	
(a) Conversions (The number of dwellings is the number resulting from completion of the work)	—	—	—
(b) Improvements	39	36	25

10. Details of Advances for the purpose of Acquiring or Constructing houses.

The Council temporarily discontinued granting loans for the purpose of acquiring or constructing houses.

SECTION "E"

SERVICES UNDER THE FOOD AND DRUGS ACT, 1955

Slaughterhouses and Inspection of Meat

One licensed slaughterhouse was in use during the year and the carcasses and offals of all the animals slaughtered there were inspected by the Meat Inspector in accordance with the provisions of the Meat Inspection Regulations. The Public Health Inspectors of Dearne Urban District Council carried out meat inspection duties at this slaughterhouse on occasion when necessary to ensure inspection of all animals slaughtered.

This assistance was more than ever necessary as the Council's qualified additional Public Health Inspector left at the commencement of the year and was not replaced. I am grateful for the help given by the Dearne U.D.C. Public Health Inspectors.

A report was made to the Public Health Committee concerning premises which in 1960 had been included in the "Slaughterhouses Report" as proposed slaughterhouse premises but which had not been completed ready for use during the ensuing five years. An appeal against the Council's refusal to grant a licence for the slaughterhouse premises on the grounds that the applicant had failed to take reasonable steps to secure the making of progress with the preparation of the premises for such use, was upheld by the Magistrates.

Particulars of animals slaughtered and inspected and fresh killed meat condemned during the year ended 31st December, 1965:—

	Cattle exclud- ing Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed (if known)	1818	445	4	8759	—	—
Number inspected	1818	445	4	8759	—	—
All diseases except Tuberculosis and Cystercerci						
Whole carcasses con- demned	—	2	2	13	—	—
Carcases of which some part or organ was condemned	665	251	1	745	—	—
Percentage of the number inspected affected with disease other than tuberculosis and cystercerci	36·6%	56·9%	75%	8·7%	—	—
Tuberculosis only						
Whole carcasses con- demned	—	—	—	—	—	—
Carcases of which some part or organ was condemned	1	1	—	—	—	—
Percentage of the number inspected affected with tuberculosis	0·055%	0·23%	—	—	—	—
Cystercercosis						
Carcases of which some part or organ was condemned	16	—	—	15	—	—
Carcases submitted to treatment by refrigeration	16	—	—	—	—	—
Generalised and totally condemned	—	—	—	—	—	—

All the meat condemned as unfit for human consumption was stained with a green dye, and was then collected by an animal by-products manufacturer for removal to his premises for processing.

Slaughter of Animals—Prevention of Cruelty

Licences are issued annually to persons engaged or qualified to slaughter animals in slaughterhouses. 17 licences were issued during 1965. The licences require humane methods of slaughter to be practised using a captive bolt pistol. Inspections were made at the slaughterhouse from time to time to check compliance with the requirements of the prevention of cruelty regulations relating to the cleansing of lairs and the provision of equipment, food and water supply for animals on the premises.

Inspection of Other Foods

Two complaints were received from members of the public concerning the sale of food. One alleged the sale of milk in a bottle the inside of which had not been properly cleansed, and the other the sale of a loaf containing the leg of a cockroach. Investigations were made into both complaints and warnings given. No legal proceedings were taken.

The undermentioned foodstuffs were condemned on inspection at foodshops. The food was surrendered voluntarily by the owners and was then collected by the refuse collection department and buried at the Council's refuse tip.

Articles	Number of cans, jars, bottles or packets	Weight (lbs.)
Canned vegetables	1	$\frac{1}{2}$
Canned fruit ...	5	6
Canned meat ...	27	190
Canned fish ...	1	$\frac{1}{2}$
Canned milk ...	3	2
Cheese	6	$50\frac{1}{2}$
Butter	—	21
Totals ...	43	$270\frac{1}{2}$

Food Premises

The numbers of various types of food premises in the District are as follows:—

Grocers	...	...	...	...	...	14
Grocers and General Dealers	...	...	...	...	...	57
Greengrocers	...	...	...	...	...	4
Fish friers	...	...	...	...	...	13
Fishmongers	...	...	...	...	...	2

Butchers	...	...	...	...	...	15
Restaurants and cafes	...	...	...	...	...	3
Works canteens	...	...	...	...	...	3
School canteens	...	...	...	...	...	5
Clubs and Public Houses	...	...	...	...	...	23
						<hr/>
Total					...	139
						<hr/>

Food premises registered under section 16 of the Food and Drugs Act, 1955, are:—

(a) For the sale of ice cream	...	...	...	...	46
(b) For the preparation or manufacture of sausages, or potted, pressed, pickled or preserved food	...	...	...	...	13

Dairies registered under the Milk and Dairies Regulations	3
---	-----	-----	-----	-----	-----	---

31 visits were made to food premises during the year, for the purpose of ensuring compliance with the Food Hygiene Regulations and of preventing the sale of unfit foodstuffs.

Hawkers of Food

21 persons are registered with the Council as hawkers of food within the Urban District and inspection of some of the vehicles used for the sale of food was carried out during the year.

SECTION "F"

PUBLIC CLEANSING

Refuse Collection and Disposal

The following statement with respect to the work done in connection with refuse collection and disposal and the income and expenditure incurred, refers to the year ended 31st March, 1966.

Particulars of receptacles emptied and loads of refuse removed.

Type of receptacles emptied	Number Emptied	Number of Loads of refuse
Dustbins	298,129	2,214
Dry ashpits	13	13½
Trade refuse bins	6,496	97½
Waste paper and cardboard	—	175
Total number of loads collected ...	—	2,500

Particulars relating to the disposal of refuse:—

	No. of Loads
House and trade refuse delivered at tip ...	2325
Refuse delivered at tip by private owners ...	752
Refuse delivered at tip by Engineer and and Surveyor's Dept.	656
Refuse delivered at tip by W.R.C.C. (Highways)	245
Salvage from shops delivered at Skin Yard Depot	175
Total number of loads disposed of	4153
Estimated weight of materials disposed of at tip	6972 tons

Particulars of materials which were salvaged from refuse and sold:—

Materials Sold	Weights			
	tons	cwts.	qrs.	lbs.
Waste paper	26	0	1	8
Textiles	2	0	2	0
Ferrous metals	—	—	—	1
Totals.....	28	0	3	9

Expenditure and Income

Expenditure and income in relation to refuse collection and disposal are as follows:—

Expenditure	£	s	d	£	s	d
Refuse collection			
Refuse disposal			
Income						
Sale of salvage			
Trade refuse and tip charges ...						
Rents			
Net cost of refuse collection and disposal ...						

The net cost of the collection and disposal of refuse per 1,000 houses was £..... For the previous year the cost was £2,841 18s. 2d.

A regular weekly collection of house refuse was maintained throughout the year. The employees engaged on refuse collection have successfully operated a stint and bonus system so as to ensure that, in spite of problems arising from holidays and absence of men due to sickness or other causes, the dustbins have been regularly emptied every week.

27 requests were made at the office for the collection and disposal of large items of household furniture and furnishings such as bedsteads, mattresses, settees, etc. These requests were complied with and the materials buried at the Council's refuse tips. This service is provided free of charge in order to discourage the dumping of such materials on waste land or burning them in backyards and gardens with the resulting nuisance to the occupants of adjoining premises.

The removal of large accumulations of garden rubbish, and of rubble, bricks, stone and timber arising from demolished sheds, outbuildings and occupier's "do it yourself" jobs around the house, presented some problems. These materials were not classed as house refuse and were only removed on payment of the cost. Occupiers of dwelling house premises appear to have great difficulty in obtaining the service of private hauliers to cart away such materials, and the Council's refuse collection service is not really equipped to carry out such duties in addition to its normal house refuse collection work.

The collection of trade refuse from shops, with special collections of waste paper and cardboard on two afternoons each week, continued, as did the twice weekly collection of putrescible refuse from certain shop premises under a trade refuse collection scheme.

The Council considered further reports on the present arrangements for storage at and collection of refuse from school premises but no noticeable improvement was effected and the regular burning of rubbish in dustbins and ashpits continued.

Except for small quantities of waste paper and cardboard, metals and textiles which are recovered as salvage and sold, all the refuse was disposed of by tipping at the Council's refuse tips. Tipping was carried out in a drained portion of the canal at Biscay Bank and also on the Oakland Terrace site. Provision is made at the tips for the disposal of other refuse in addition to house refuse to that limited quantities of builders' refuse, excavated soil and subsoil can be used at the tips for covering material. Inert material, mainly ash, from the tips laid down many years ago is also being used as covering material for present day tips. A tractor loading shovel was in use for levelling and consolidating the tipped material and for applying covering material. Precautions were taken continuously to control rodents, insect pests and tip fires and no serious problems were encountered.

SECTION "F"

PREVENTION AND CONTROL OVER INFECTIOUS AND OTHER DISEASES

Infectious Diseases (Corrected)

Age Distribution

Diseases	Total Cases Notified	Cases after Correction	Under 1 yr.	1 —	2 —	3 —	4 —	5 — 9	10 — 14	15 — 24	25 — 44	45 — 64	65 and Over	Unknown Age
Scarlet Fever	2	2	—	—	—	—	—	—	2	—	—	—	—	—
Whooping Cough	5	5	—	1	1	1	—	1	1	—	—	—	—	—
Measles	36	36	12	24	—	—	—	—	—	—	—	—	—	—
Erysipelas	178	178	—	2	36	31	34	70	3	—	—	1	—	—
Puerperal Pyrexia	1	1	—	—	—	—	—	—	—	—	1	—	—	—
TOTALS	222	222	12	27	37	32	34	71	6	—	1	1	1	—

TUBERCULOSIS

No. on Register at 31st December, 1965

			Males	Females	Total
Pulmonary	...	...	38	21	59
Non-Pulmonary	...	...	6	5	11
			44	26	70

No. Removed from Register during 1965

			Pulmonary		Non-Pulmonary		Total
			M.	F.	M.	F.	
Deaths	...	...	4	1	—	—	5
Others (cured, re-diagnosed transfers of area etc.)			3	2	—	—	5
			7	3	—	—	10

Additions to Register during 1965

			Pulmonary		Non-Pulmonary		Total
			M.	F.	M.	F.	
New Notifications	...		3	1	—	1	5
Others (cases restored to Register, transfers etc.)			1	—	1	—	2
			4	1	1	1	7

New Notifications

Age Groups				Pulmonary		Non-Pulmonary		Total
				M.	F.	M.	F.	
10-14	—	—	—	1	1
35-44	2	—	—	—	2
55-64	—	1	—	—	1
75 and over	1	—	—	—	1
				3	1	—	1	5

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